Postal Service Mail.dat Technical Specification

Version 6.3 DRAFT

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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. 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 technical specification 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 technical specification is organized as follows: Chapter 1 provides an overview of the *PostalOne!* program benefits, the basic requirements for participation in the program, and how to apply for participation. Chapters 2 through 5 provide detailed technical information about the *PostalOne!* application. Chapter 6 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 D contains error messages. Appendix E details how to perform necessary Periodicals calculations, and Appendix F notes issues specific to Customer/Supplier Agreement (CSA) contracts.

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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Document Change History

These are the changes from Version 6.2 to Version 6.3

Section #	Title	Description
Document	Postage Statement Stage	Change Postage Statement Stage to Postage Statement Status.
Document	Various locations	Mail.dat version 08-1 will no longer be supported as of November 15, 2009.
Document	Various locations	Replaced this guide with this technical specification.
Document	Various locations	Eliminated references to releases and patch releases already implemented.
Document	Various locations	Replaced 'mailing files' with 'Mail.dat files'.
Document	Various locations	Replaced *PostalOne!* Customer Care Center with *PostalOne!* System Help Desk.
Document	Various locations	Correct Mail.dat field names.
Document	Various locations	Change references to part or section to Chapter.
1	Program Overview	Updated introductory material. Included Test Environment for Mailers. Scope and support period for Mail.dat version 08-1, 08-2 and 09-1. Refer to other guides and specifications as appropriate.
2.1.4.5	User License Code	Added…sometimes called a provider code. The Postal Service systems treat the User License Code or provider code as case sensitive.
2.2	Configuring Mail.dat files for Processing	Added to PAR and PDR:For 09-1 Mail.dat files, the *PostalOne!* system allows mailers to indicate shortage pieces (listed in the postage statement, but never created) and spoilage pieces (listed in the postage statement and created, but ruined or removed prior to actual mailing), and indicate how postage should be adjusted. These options are only available for Mail.dat 09-1 statements pending finalization; shortage and spoilage after finalization require the mailer to follow the existing refund request process. Adjustments can be made using either .pdr or .par files. Adjustments cannot be made using both types of file in the same job. To support the spoilage and shortage process in *PostalOne!*, the postage statements (including the downloadable versions) will display the summarized data for missing or damaged pieces on a new line. Added to WSR: A Walk Sequence Report for BMEU and Mail Preparers is provided based on data provided in WSR file of the Mail.dat job. Added to CSM: The container summary includes records for

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Section #	Title	Description
		both containers and handling units in the mailing. Added to IMR: This file fulfills the full-service requirement to report the nesting of pieces in the handling units and containers. Added to PDR: This file fulfills the full-service requirement to report the nesting of pieces in the handling units and containers.
2.2.2	Relationship Constraints Description	Added for the OCI File: The Postal Service systems treat the User License Code or provider code as case sensitive.
2.2.3	Copalletization Validation Constraints	A single co-palletized Mail.dat job must have only one Header file Mail.dat Presentation Category and cannot combine MLOCR with non MLOCR mail. Changed: For trays on pallets, the job submitted at the consolidator site must include the .hdr, .seg, .csm, and .oci files. If other files are submitted, the Mail.dat validation will accept the job and ignore the other files submitted. For bundles on pallets, the consolidator also must include the .mpa, .mpu, .mcr, .cqt, .pqt. If other files are submitted for tray or bundle-based copalletization, the Mail.dat validation will accept the job and ignore the other files submitted.
2.2.4	MLOCR Validation Constraints	Added: When applicable use a new segment record in a single Job ID rather than sending multiple Job IDs. A new segment record will generate a new qualification report but still allow consolidation into the same Master Postage Statement. Changed: Updates to MLOCR mailings must limit changes to piece counts, rate categories, container status, presentation category, number of copies, and the parent container reference ID. Changed: Prior to Release 22, containers cannot have Container Status “P” (Preliminary) in an update file. Beginning in Release 22.0, containers may be submitted with a Container Status “P” in an update file. Added: When applicable use a new segment record in a single Job ID rather than sending multiple Job IDs. A new segment record will generate a new qualification report but still allow consolidation into the same Master Postage Statement.
2.2.5	Periodicals Validations	Changed sentence in item 9 from: No container or bundle charges will be associated with the Loose Addressed Supplements. To: Container or bundle charges will be associated with the Loose Addressed Supplements. Added to Item 9: Addressed supplements may be sent with repositionable notes, ride-alongs, additional addressed supplement components. The same addressed supplement

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Section #	Title	Description
		may be associated with various mail piece units. A Mail.dat job may contain only addressed supplements. The details for each of these scenarios are in Appendix C section Component Record – Addressed Supplement Scenarios. Item 15: Eliminated detail and added a new reference: Electronic Documentation Process A Guide for Centralized Postage Payment (CPP) Customers available at http://ribbs.usps.gov/index.cfm?page=intellmailguides provides further instructions to pay using Mail.dat files. Changed item 16 to include Postage Payment Option C = CPP. Changed Item 17 to refer to Electronic Documentation Process Guide for CPP Mailers on http://ribbs.usps.gov/index.cfm?page=intellmailguides. Added item 19: Comail or co-palletization will normally be assigned a combined mailing ID that links a verification statement together with all of the postage statements for the unique publication issues in the mailing (Publication issues are represented by Publication Number considered together with Issue Date or Volume Number and Issue Number in the Mailer Postage Account file). Currently there is a bug in Mail.dat 9-1 where if two different publication numbers match on both mailing date and issue number, there is no combined mailing ID assigned. The statements will not be linked by the combined mailing ID in the dashboard view. The separate postage statements are still correctly entered in *PostalOne!* If the mailer expects this to happen in a particular mailing one solution is to force a difference in the Issue Number in the Mail.dat file. For example one publication could set issue number to '30' and the other could set it to 'no30'. Alternatively, the acceptance office will verify and finalize the statements separately.
2.2.6	Full-service	Retitled Section. Added subsection 2.2.6.1 Full-service Data Distribution. Previous section became subsection 2.2.6.2 Full-Service, Mixed Full-Service, Basic, and POSTNET Mailings. Added three tables and renumbered subsequent tables in part 2.
2.2.7	Unsupported Mailing Cases	Added: This includes the experiment for copalletization of Periodicals and Standard Mail. Added Detached Address Labels
2.3.1.1	Key Fields	Changed introduction to section: This section discusses the key fields used to generate qualification reports, postage statements within a job, and master postage statements based on the Mail.dat 09-1 specification and the PostalOne! system. The PostalOne! system automatically generates a new qualification report each time there is a new value found in the Segment file Segment ID. Added: After individual postage statements are create if applicable a Master Postage Statement (not Periodicals) is generated for each combination of various values the following fields.

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Section #	Title	Description
		Added: Table 2 9. Key Master Postage Statement Consolidation Fields. Renumbered subsequent tables in part 2.
2.3.2	Permit Roles	Added to Permit Holder: For each mail piece unit, the *PostalOne!* System uses the MCR file to find the MPA ID. For Periodicals mail, the permit holder must be the 'USPS Publication Number'. To qualify for Periodicals Nonprofit, Classroom or Science of Agriculture prices, the 'USPS Publication Number' record at the acceptance office must show this price is authorized. If not, the system generates an error message and will not accept the Mail.dat file. Added to Mailing Agent: The *PostalOne!* System looks at the User ID that submitted the file. The system looks at permits linked to the locations that User ID is also linked to. The system looks at the post office of mailing. The system considers finance number association of permits linked to locations to finance number of post office of Mailing. If the system finds more than one permit possibility, system takes first active (type PI) permit (could be any of the linked locations, not necessarily the one that submitted the file). For this reason data displayed in the Mailing Agent block may not be accurate and the user may not be able to fix it. Added to Mail Owner: For each mail piece unit, the *PostalOne!* System uses the MCR file to find the MPA ID. To qualify for the Nonprofit Standard mail price (in the MPU file Rate Type) the system checks if the 'Mail Owner's Lcl Permit Num / Int'l Bill Num' (or if blank the default 'Permit Number' of the permit holder) record in the PostalOne! system has a valid nonprofit authorization number assigned to it. If so, the system allows the Nonprofit Standard mail price. If not, the system generates an error message and will not accept the Mail.dat file.
2.5.1	Rules for Sending Container Status Updates	Added: If the statement should not be finalized cancel the job. Postage Statements should not be left open in the UPD status. When the statement is finalized it will be in FIN or FPP status. If a statement for a Mail.dat job is in FIN or FPP status the containers in that Mail.dat job cannot be cancelled. After the postal clerk reverses the postage statement then the postage statement is in REV status and the containers may be cancelled. At this point there are three options a. Send an update ready-to-pay on the same Job ID. The container status "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. b. If your change cannot be sent as an update, delete the original Job ID and reuse the same Job ID. c. If Job deletion fails or there is a requirement for a new Job ID, submit a new Job ID. If there is a FAST appointment, provide the Reservation number, FAST Content ID, and Scheduled Induction Date in the Mail.dat Container Summary CSM file for the new Job ID.
2.5.2	Rules for Sending Header Status Updates	Update Transactions: Added: Added However if sending the Container Summary Record (CSM) that is not a sibling

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Section #	Title	Description
		container then the Container Quantity (CQT) and Package Quantity Record (PQT) are required. In the case of Full-Service, if sending the Container Summary Record (CSM), if not a sibling container the PDR (Piece Detail Record) and the IMR (Intelligent Mail Range) are also required. Added: For entry level and zone optimization that occurs after sending the Mail.dat file with container status original to generate the qualification report, it is not possible to do a Container Quantity CQT insert. (Except sometimes the CQT insert works for Mail.dat version 8-2 Standard Mail job.) Coordinate with the acceptance office to arrange timing for the original submission after the entry level and zone optimization or cancel the original job and resend it. If there is a FAST appointment involved on the original job be sure to include the Container Summary fields Reservation number, FAST Content ID, and Scheduled Induction Date in the update job.
2.6	Postage Statement Statuses	Appendix Table Key to Postage Statement Statuses moved to this new section.
5	PostalOne! Mail.dat Client Installation	Relabeled Appendix A to Chapter 5. Added: On November 15, 2009 the Mail.dat client used for the Mail.dat version 08-2 files and described in part 4 of this technical specification will no longer be available. Instead, use the Mail.dat client described in this Chapter 5. Relabeled all tables and figures to correspond to Chapter 5.
5.1.4	*PostalOne!* Mail.dat Client Memory Settings	Added section.
5.1.5	How Much Memory Should be Allocated	Added section.
5.1.6	How to Allocate More Memory	Added section.
5.1.7	Troubleshooting Memory Allocation	Added section.
5.1.8	Sources for Information on Memory Allocation	Added section.
5.1.9	Mail.dat 09-1 Client 64 Bit Mode	Added section.
5.1.12	Program Setup for Windows Users	Replaced Figure 5-3 - PostalOne! Mail.dat Client Settings Screen.
5.2.4	Setting Up the PostalOne! Windows Mail.dat Client to Work in Batch Mode	Replaced Figure 5-4 - PostalOne! Mail.dat Client Batch Settings Screen.
5.2.5.2	Invoking Batch Processing or Receipt Polling Using a Scheduler	Changes to section to include automated validation and upload, and automated receipt polling.
5.2.5.3	Invoking Batch from Another Program	Changes to section.

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Section #	Title	Description
5.2.5.5	Setting up Batch Mode for Solaris UNIX	Changes to section.
Appendix A	Status Receipt File Layout	Appendix B relabeled Appendix A. Specified Mail.dat 9-1 and added Mail.dat 8-2 information: PS-gen: a Boolean value of “T” or “F” indicating whether a postage statement has been generated or has not been generated (for Mail.dat 9-1). A value of “T” or “ “ indicating whether a postage statement has been generated or has not been generated (for Mail.dat 8-2).
Appendix B	Mail.dat File Definitions	Appendix C relabeled Appendix B.
Appendix C	Mail.dat Field Validation	Appendix D relabeled Appendix C.
Appendix C	Table C-2 Header Record	Field User License Code: The Postal Service systems treat the User License Code or provider code as case sensitive.
Appendix C	Table C-8 Mailer Postage Account Record	Permit ZIP+4: In 8-2 Mail.dat validation uses each Permit ZIP +4. If multiple matches to finance number are found there is an error message. In 9-1 Mail.dat validation use the first finance number found.
Appendix C	Table C-7 MPU Component Relationship Record	Added for Host Statement Component ID: See section on Full-service Data Distribution – Option with PDR and Component Record.
Appendix C	Table C-8 Mailer Postage Account	Added see section on Full-service Data Distribution for fields: Mailer ID of Mail Owner, CRID of Mail Owner, Mail Owner's Lcl Permit Ref Num / Int’l Bill Num, Mailer ID of Preparer, and CRID of Preparer.
Appendix C	Table C-9 Component Record	Equivalent User License Code: The Postal Service systems treat the Equivalent User License Code as case sensitive. Added section Component Record – Addressed Supplement Scenarios. For Scheduled Induction Date and Scheduled Induction Time eliminated reference to prior release. Changed description of Component - Periodical Ad Percentage: Must be greater than or equal zero and less than or equal 100.00. Required for Periodicals in version 09-1 if the CPT *Periodical Ad% Treatment* is B or S. If Component – Periodical Ad Percentage is blank, Periodical Ad% Treatment must Blank, B or N. If Component – Periodical Ad Percentage is zero, Periodical Ad% Treatment must Blank, B, N or S. If Component – Periodical Ad Percentage is greater than zero, Periodical Ad% Treatment must be B, N or S. The Component (CPT). See Appendix E section Ad % Basis for an explanation of how Ad % Basis is used to calculate Ad % for the publication when there are multiple components with Ad % Treatment S. Changed description of Periodical Ad% Treatment: For 09-1 files and Periodicals, CPT *Periodical Ad Percentage* greater than or equal zero and less than or equal 100.00 is required if this field is S. If Component – Periodical Ad Percentage is

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Section #	Title	Description
		blank, Periodical Ad% Treatment must Blank, B or N. If Component – Periodical Ad Percentage is zero, Periodical Ad% Treatment must Blank, B, N or S. If Component – Periodical Ad Percentage is greater than zero, Periodical Ad% Treatment must be B, N or S. The Ad % Basis value is required and must be greater than zero for each component with an Periodical Ad% Treatment value of S if there are multiple components with an Periodical Ad% Treatment value of S. See Appendix E section Ad % Basis for an explanation of how Ad % Basis is used to calculate Ad % for the publication when there are multiple components with Ad % Treatment S. Added to Ad % Basis: The Ad % Basis value is required and must be greater than zero for each component with an Periodical Ad% Treatment value of S if there are multiple components with an Periodical Ad% Treatment value of S. See Appendix E section Ad % Basis for an explanation of how Ad % Basis is used to calculate Ad % for the publication when there are multiple components with Ad % Treatment S. Added See section on Full-service Data Distribution for fields: Mailer ID of Mail Owner and CRID of Mail Owner.
Appendix C	Table C-11 Container Summary Record	CSM Record Status: Added If inserting or updating a container that is not a sibling container then the Container Quantity (CQT) and Package Quantity Record (PQT) are required. In the case of Full-Service, if sending the Container Summary Record (CSM), the PDR (Piece Detail Record) and the IMR (Intelligent Mail Range) are also required.
Appendix C	Table C-15 Original Container Information Record	Original User License Code: The Postal Service systems treat the Original User License Code as case sensitive.
Appendix C	Table C-16 Intelligent Mail Range Record	Added See section on Full-service Data Distribution for fields: Mailer ID of Mail Owner, CRID of Mail Owner, Mailer ID of Preparer, and CRID of Preparer.
Appendix C	CQT Rate Category and Qualification Report Price Level	Added a new section to explain the CQT Rate Category correspondence to the Price Level displayed on the qualification report. New tables D-18 through D-22. Renumbered subsequent tables.
Appendix C	Table C- 26. Piece Detail Record	"Wasted or Shortage Piece" Indicator: For both versions 08-2 and 09-1 PostalOne ignores this field for postage processing. Use the PAR file.
Appendix D	Error Messages	Appendix E relabeled Appendix D.
Appendix D	Error Messages	The error messages have not yet been updated for Release 22. This will be done in a future version of this technical specification.
Appendix E	Periodicals Procedures	Appendix F relabeled Appendix E.
Appendix E	Periodicals Procedures	Added information to section Ad % Basis : For mailers using

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Section #	Title	Description
		several components where each carries their own advertising percentage the Ad % Basis is required for each of these components. The Component (CPT) Ad % Basis is only required when there are multiple components with an Periodical Ad% Treatment value of S, when this is true then the Ad % Basis value for each component with an Periodical Ad% Treatment value of S must be greater than zero. Sample calculations are provided to relate the calculation of the Ad % Basis to each of the acceptable methods of advertising percentage measurement. Added information to section Edition Weight Worksheet and section Advertising Percentage Worksheet on the source of the fields and functionality for Mail.dat versions 08-2 and 09-1 Section Periodicals Postage - Additional Features: Eliminated specific instructions on how to access features and changed section to read: The postage statement register, postage statement register – entry facility detail, the version summary report, the listing by mailing date, and the entry facility listing by mailing date are available to all Periodicals mailers who submit their postage by Mail.dat version 08-2 or 09-1. The Issue level postage statement totals the issue level postage for all Periodicals postage statements submitted via the acceptance office entry, Postal Wizard entry or Mail.dat entry. Consolidated Payment functionality is available to replace the Centralized Postage Payment for Periodicals Mailers (CPP) program. The system allows CPP customers to consolidate multiple mail.dat jobs for a particular publication and issue at a single acceptance office [Detached Mail Unit (DMU) or Business Mail Entry Unit (BMEU)] for payment. To use this feature, the CPP customer must have a CPP Agreement on file with the Pricing and Classification Service Center (PCSC). The customer must maintain on deposit, the amount of escrow funds indicated in the agreement and follow all other requirements of Publication 406 Guide to the Centralized Postage Payment (CPP) System for Periodicals Mail. Instructions on how to access the Edition Weight Worksheet, the Advertising Percentage Worksheet and the additional features described in this section are in the User Access to Electronic Mailing Information and Reports Guide available on http://ribbs.usps.gov/index.cfm?page=intellmailguides. Removed references to MTAC.

These are the changes from Version 6.1 to Version 6.2.

Section #	Title	Description
2.2.1	Required Files and	Changed from at most 22 files in the Mail.dat submission to at

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Section #	Title	Description
	Fields	most 20 files.
2.2.2	Relationship Constraints Description	Removed sentence: The “MLOCR” Mail.dat presentation category requires further testing. Changed sentence to correct field name: Each PostalOne! submission for a Job ID must have a current header records with a unique Header History Sequence Number. All previously submitted header records would have to be updated so they are "historical" rather than "current" records. Table 2-2: Combined M with P S and I presentation categories on same table entry since there are no differences in requirements.
2.2.4	MLOCR Validation Constraints	Corrected bullet indentation under ‘For MLOCR mailings, mailers should take extra care when using:’.
Table 2-10	Allowable Container Status Values	Changed Table 2-10 title: Allowable CSM Container Status Values
4.1.4	Downloading and Configuring the Windows Batch Processor (08-1, 08-2)	Removed references to CAT.
4.1.5	Downloading and Configuring the UNIX Batch Processor (08-1, 08-2)	Changed references to CAT to TEM.
Appendix A	PostalOne! Mail.dat Client Installation	Under subheader Supporting Multiple PostalOne! Environments Changed references to CAT to TEM.
Appendix C	Mail.dat File Definition	Changed sentences about the PDR file: 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 Outside County container and bundle report.
Appendix D	Mail.dat Field Validation	Table D- 2 Header fields: Licensed user’s Job Number required in Postal One! Spec not IDEAlliance. User License code required in POSTALONE! spec not IDEAliance. International Container Label Count and Label Status are 8-1 only. Correct name of fields Container Identification Record Count and Status in IDEAlliance ; Original Container Identification Record Count and Status in IDEAlliance mail.dat spec. Put Zone matrix date in same order compared to field layout in mail.dat IDEAlliance
Appendix D	Mail.dat Field Validation	Table D-3 Segment fields: Verification Facility Name and Zip+4 required in POSTALONE! not IDEAlliance. Mail Facility ID required in POSTALONE! not IDEAlliance. Zone Matrix date removed. It is in HDR.
Appendix D	Mail.dat Field Validation	Table D-4 Mail Piece Unit field Mail Piece Unit Source not required in IDEAlliance.
Appendix D	Mail.dat Field Validation	Table D-8 Mailer Postage Account Record fields USPS Publication Number or Permit Number, Permit ZIP+4, and Postage Payment Option are required for postage payment.
Appendix D	Mail.dat Field Validation	Table D-9 Component Record field Component Rate Type also allows values of I and O.

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Section #	Title	Description
Appendix D	Mail.dat Field Validation	Table D-21 Piece Detail Record field Move Update Method – not required in IDEAlliance spec.

These are the changes from Version 5.1 to Version 6.1.

Section #	Title	Description
2.2.2	Relationship Constraints Description	Added to table 2-2 - for both Conventional Presort and MLOCR • In Release 22 Piece Detail Record (conditionally required for Full-service when the associated container status is set to Ready to Pay) • In Release 22 Intelligent Mail Range Record (conditionally required for Full-service when the associated container status is set to Ready to Pay Amended CSM File: In Release 22, when the Included in Other Documentation field is 'L' an OCI file must be submitted. Added OCI File available in Release 22 • The Container ID field in the .oci file must match a Container ID that exists in the .csm file. • The Original Job ID field in the .oci file must match the Job ID of the corresponding job submitted at the origin site. • The Original User License Code field in the .oci file must match the User License Code field submitted in the .hdr file of the corresponding job submitted at the origin site. • The Original Segment ID field in the .oci file must match the Segment ID field submitted in the .hdr file of the corresponding job submitted at the origin site. • The Original Container ID field in the .oci file must match the Container ID field submitted in the .csm file of the corresponding job submitted at the origin site for records in the origin .csm file where the Included in Other Documentation field is 'O'. • The Original Display Container ID field in the .oci file must match the Display Container ID field submitted in the .csm file of the corresponding job submitted at the origin site for records in the origin .csm file where the Included in Other Documentation field is 'O'. The Original Label IM™ Container or IM™ Tray Barcode field in the .oci file must match the Label IM™ Container or IM™ Tray Barcode field in the .csm file of the

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Section #	Title	Description
		corresponding job submitted at the origin site for records in the origin .csm file where the Included in Other Documentation field is 'O'.
2.2.3	Co-palletization Validation Constraints	Added prior to Release 22: Prior to Release 22, 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 cannot be reported unless a new file or file segment has been built that correctly identifies the package makeup of the new containers. Added: In Release 22, co-palletization using the OCI file will be supported for mail prepared in bundles placed on pallets (Standard Flats and Periodical Flats). For bundles placed on pallets, virtual sacks are used to designate the sortation level and destination. Co-palletization using the OCI file will be supported for trays placed on pallets (First-Class Letters, First-Class Flats, Standard Letters). For tray and bundle based co-palletization, the job submitted at the origin site must include the .hdr, .seg, .mpu, .mcr, .mpa, .cpt, .csm, .cqt, and .pqt files for non Full-Service jobs. For Full-Service mailings, the job must also include a .pdr or .imr file.. The Original Job ID in the .oci file must match the Job ID in the files submitted at the origin site. Electronic documentation must have been submitted for the original job prior to the submission of files at the consolidator site. If electronic documentation was not submitted for the original job, the consolidator's files will be rejected when the .oci file is submitted. If a Full-Service job is submitted at the origin site, the consolidator is required to submit a Full-Service or Mixed-Service job for the co-palletized portion of the mailing. The Included in Other Documentation field in the .csm file for the job submitted at the origin site must be set to blank or 'O' (Original container). For bundle based co-palletization, if the Included in Other Documentation field is set to 'O', the Container Type in the .csm file must be 'V' (Virtual Sack). For tray based co-palletization if the Included in Other Documentation field is set to 'O', the Container Type in the .csm file must be a tray type. For both tray and bundle based co-palletization, the Included in Other Documentation field in the .csm file for the job submitted at the consolidator site must be set to blank or 'L' (Linked or new container). The Included in Other Documentation field in the .csm file for the job submitted at the consolidator site must be blank for pallet level containers. The Included in Other Documentation field cannot contain both 'O' and 'L' in a single .csm file. The transportation fields in the .csm file (USPS Pick Up, CSA Trip ID, Scheduled Ship Date, Scheduled Ship Time,

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Section #	Title	Description
		Reservation Number, Scheduled Induction Date, Scheduled Induction Time) are not required and will not be validated for Full-Service containers submitted at the origin site that will be sent for co-palletization. Transportation information will be expected on the pallet level containers submitted by the consolidator. A postage statement will be generated and finalized at the origin site for tray based co-palletization. The only updates supported for the job submitted at the consolidator are Transportation updates. A postage statement will be generated and finalization at the consolidator site for bundle based co-palletization using the information from the origin site job. No updates will be supported for the origin job once the postage statement is finalization at the consolidator site.
2.2.5	Periodicals Validations	Changed Bullet 9 to: In Release 22, Periodicals Loose Addressed Supplements will be supported. The Loose Addressed Supplements will need to be associated to a separate MPU which includes a CPT with Mail Class of 2, Rate Type of Z, Ad % Treatment of S. The only other CPT records that may be associated to the MPU are additional Loose Addressed Supplement components or incidental enclosures. Loose Addressed Supplements will generate a separate child postage statement from their host publication. The child postage statement will be consolidated under the normal business rules. No container or bundle charges will be associated with the Loose Addressed Supplements. The Rate Type from the MPU will be used to identify the rates (Regular, Non-Profit, etc) used for the postage statement. To qualify for Full-Service, all loose addressed supplements will need an associated IMR or PDR record. The Copy Count in the CQT records associated to the Loose Addressed Supplements must be greater than or equal to the Piece Count. The Copy Count will not be displayed on the postage statement. Removed: Periodicals jobs will fail if in a Periodicals mailing, if 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.
2.2.6	Mixed Full-Service, Basic, and POSTNET Mailings	Added to table2-3 : Add Z (In Release 22, Z for a stand-alone CPT in an MPU is for Periodicals Loose Addressed Supplements only) to Rate Type supported for Component
2.2.7	Unsupported Mailing Cases	Removed Mailings with firm bundles that include non-incidental enclosures Removed Pending Periodicals with firm bundles that include non-automation mailpieces. Removed Mail.dat optional First-Class Mail Palletization Removed Standard Mail Letters - Paid as Nonauto Flats are not supported in any of the Mail.dat versions as of May 11,

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Section #	Title	Description
		2009.
4	Batch Processing	Corrected table numbers to reflect part 4.
Appendix A	PostalOne! Mail.dat Client Installation	Under subtitle Installation: Added the following steps: Log onto either the production or TEM PostalOne! system, depending on which environment you want to work with. On the left menu bar, click on "Electronic Data Exchange (PostalOne!) in the Mail and Transport section Select Electronic Data Exchange on the left side of the screen. You will now see download links for the Windows and Solaris versions of the "Client Application" under the 09-1 Mail.dat heading. Click on the link to download the version you wish. If you are downloading the Mail.dat Client Application for the production environment and already have it installed for the TEM environment, be sure to save and extract into separate folders for each environment.
Appendix A	PostalOne! Mail.dat Client Installation	Under subtitle Receipt Polling: Unlike the batch program used for prior Mail.dat releases, for 09-1 and later releases of Mail.dat receipt polling does not take place automatically after Mail.dat files are uploaded. Users can use a command line option to download receipts after upload. It is better to use a separate instance of the MDR Client in batch mode to do automated, continuous polling so that receipt data can be available close to real-time.
Appendix C	Mail.dat File Definitions	Added: OCI File Definition: In Release 22, the .oci file links a new container with an original container and allows customers to tie or link container information between Jobs from Mail.dat and Mail.XML.
Appendix D	Mail.dat Field Validation	Table D- 2 Header Record: for field Original Container Link Record Count removed "Ignore file" and added "New with 09-1 and Release 22". For field Original Container Link File Status – removed "Ignore file" and added "New with 09-1 and Release 22".
Appendix D	Mail.dat Field Validation	Table D- 7 MPU/C Relationship Record field Host Statement Component ID added: The Host Statement Component ID is required to be populated for the following scenarios: - Multiple Hosts: For Periodical Co-Mailings, there will be multiple hosts within the same MPU. The incidentals must reference the correct Host Statement Component ID. - Non Incidental and Incidental Enclosures: If there is a non-incidental enclosure (the non-incidental enclosure is its own host) and one or more incidental enclosures, the incidental enclosures must reference the appropriate Host Statement

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Section #	Title	Description
		Component ID.
Appendix D	Mail.dat Field Definitions	Table D-11 Container Summary File Fields Scheduled Induction Date and Scheduled Induction Time: In Release 22, the Scheduled Induction Date and Scheduled Time are required only when the .seg CSA Agreement is populated or the .csm USPS Pick up is Y. In Release 22, the system will not require the CSM Scheduled Induction Date and Scheduled Induction time on a container that is drop-shipped with CSM Entry Point for Entry Discount –Facility not O or T. In Release 22, for .csm Container Status original or preliminary, there will be no requirement for the .csm Scheduled Induction Date and Time. Optional entry of .csm Scheduled Induction Date and Time will be accepted.
Appendix D	Mail.dat Field Definitions	Added to Table D-11 Container Summary Record field Total Weight of product only: In a patch for release 20, For all classes of mail, omit the validation for the CSM container weight of the children containers to add up to the CSM weight of the parent container.
Appendix D	Mail.dat Field Definitions	Added to Table D-11 Container Summary Record field Postage Statement Mailing Date 1. In a patch for release 20, the system will not require the CSM Postage container Mailing Date if the CSM Container Status is Original. There is no need for Postage container Mailing Date because there is no postage container created for this case. 2. In a patch for release 20, the system will not require the CSM Postage container Mailing Date if the CSM Container Status is Preliminary. The Postal Service does not use the estimated postage containers generated for this case. 3. In a patch for release 20, when no CSM Postage container Mailing Date is provided, the system will use the current system date for the mailing date on the estimated postage containers.
Appendix D	Mail.dat Field Validation	Table D-11 Container Summary Record field Parent Container Reference ID – Add to Notes: In Release 22, a logical tray can be associated to either a physical or logical container. In Release 22, a physical tray or sack can be associated to either a physical or logical container. This field must match a Container ID in the CSM.
Appendix D	Mail.dat Field Validation	Table D-11 Container Summary Record field Included in Other Documentation: Added In Release 22, links to the associated .oci file. Must be blank for all pallet-level containers and mail that is not co-palletized. Completed with 'O' for trays and virtual sacks at origin when sent for co-palletization. Completed with 'L' for trays and virtual sacks at co-palletization to link back to the origin location.
Appendix D	Mail.dat Field Validation	Created a new table D- 15 Original Container Identification Record. Removed 'Ignore' from the OCI heading. Added prior to Release 22: the *PostalOne!* system will allow the .OCI (Original Container Identification Record) to be

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Section #	Title	Description
		included in a file set; however it will not perform any validations, upload or store those records. Renumbered subsequent tables in Appendix D accordingly.
Appendix D	Mail.dat Field Validation	Table D- 16 Intelligent Mail Range record field Service Level Indicator Added See note in Container Quantity file field Service Level Indicator
Appendix D	Mail.dat Field Validation	Table D- 16 Intelligent Mail Range record field Piece Count – In a patch for release 20, the total number of pieces with each separate Service Level Indicator for a Container ID must be between the total number of pieces and the total number of copies with the same Service Level Indicator in the CQT records for the same Container ID.
Appendix D	Mail.dat Field Definitions	Added to Table D-16 Intelligent Mail Range record field Piece Count: In a patch for release 20, for all classes of mail, the *PostalOne!* system Mail.dat validation will allow the sum of the IMR file Piece Count for a Container ID to be within the range of copy count to piece count inclusive for the CSM data for that container ID.
Appendix D	Mail.dat Field Definitions	Table D-17 Container Quantity field Barcode Discount or Surcharge Indicator: When the Mail Class is 3 (Standard Mail), only the values B and S may be used. When the Mail Class is 4, only the values B and D may be used. This field should be left blank or value O for other classes.
Appendix D	Mail.dat Field Definitions	Table D-17 Container Quantity field Zone: Added S and D to zones for Bound Printed Matter in a patch for release 20.
Appendix D	Mail.dat Field Definitions	Table D-17 Container Quantity field Rate Category: Added For Mail.dat 09-1 Standard Mail letters paid as flats use the processing category letters and rate categories G, K, L5, L6. For Mail.dat 09-1 Standard Mail ECR letters paid as ECR flats use the processing category letters and rate categories AF, BF, DF.
Appendix D	Mail.dat Field Validation	Table D- 17 Container Quantity Record field Service Level Indicator. Added to Notes – In Release 22, the value “F” may only be used with full-service eligible rate categories. First Class Mail Full-Service Eligible Rate Categories: E = 5-Digit H = 3-Digit L1 = AADC L2 = Mixed AADC Standard Mail Letters Full-Service Eligible Rate Categories: E = 5-Digit H = 3-Digit L1 = AADC L2 = Mixed AADC Standard Mail Flats Full-Service Eligible Rate Categories: E = 5-Digit H = 3-Digit L3 = ADC L4 = Mixed ADC Standard Mail Letters Paid Flats Full-Service Eligible Rate

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Section #	Title	Description
		Categories: BF = HD-ECR Ltr (Pd Flt), KF = 3D Ltr (Pd Flt), GF = 5D Ltr (Pd Flt), DF = CR Ltr (Pd Flt), or NF = Bas Ltr (Paid Bas Flt) Standard Mail Enhanced Carrier Route (ECR) Letters Full-Service Eligible Rate Categories: A = Saturation – ECR B = High Density – ECR D = Carrier Route O = CR – Barcode Standard Mail Enhanced Carrier Route (ECR) Flats Full-Service Eligible Rate Categories: B = High Density – ECR D = Carrier Route O = CR – Barcode Bound Printed Matter Full-Service Eligible Rate Categories: E = 5-digit H = 3-digit L3 = ADC L4 = Mixed ADC A = Saturation – ECR B = High Density – ECR D = Carrier Route O = CR – Barcode For Periodicals Full-Service Eligible Rate Categories must be for a processing category letter or a flat and have an automation or carrier route rate category. The value “B” and “P” may only be used with automation or carrier route eligible rate categories.
Appendix D	Mail.dat Field Definitions	Table D-17 Container Quantity record added NOTE: In Release 22, if there are any CQT rate categories in the segment that do not qualify for automation or carrier prices, PostalOne! Will reject the Mail.dat file with the error message “For a Mixed mailing or for Full-service prices, all mailpieces in the segment must qualify for automation prices: see CQT records [list CQT records by SEG ID, CQT DB ID and incorrect CQT rate category up to 1000 characters].
Appendix D	Mail.dat Field Definitions	Table D-21 Piece Detail Record field Piece ID: In a patch for release 20 ,for all classes of mail, the *PostalOne!* system Mail.dat validation will allow the number of piece records in the PDR file for a Container ID to be within the range of copy count to piece count inclusive for the CSM data for that container ID.
Throughout	Original Container Identification Record	Throughout the document, corrected instances where the Original Container Identification record was misnamed the Original Container Information record.

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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. See the IDEAlliance Mail.dat specifications at http://www.idealliance.org/industry_resources/production_and_supply_chain/mail.dat/specifications. Customers using Mail.dat files no longer have to complete manual qualification reports (standardized documentation) or postage statements because these can be automatically generated by the *PostalOne!* System using the information in the Mail.dat file. In fact, much of the acceptance and verification process has been automated, enabling a faster and more accurate method of verifying, accepting, and finalizing postage statements.

Applying for and obtaining access to the *PostalOne!* System is quick and easy. For information on how to apply and obtain access see the User Access to Electronic Mailing Information and Reports Guide available on http://ribbs.usps.gov/index.cfm?page=intellmailguides.

Customers with access to the *PostalOne!* system 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 with local trust accounts, Centralized Account Payment System (CAPS) trust accounts or CAPS debit accounts. See http://caps.usps.gov/capshome.asp for more information on CAPS.

Only the Mail.dat version 09-1 supports the full-service option. However, this technical specification includes Mail.dat versions 08-1, 08-2, and 09-1. Mail.dat version 08-1 will no longer be supported as of November 15, 2009. Mail.dat version 08-2 has a separate upload client described in Part 4. As of November 15, 2009, the Mail.dat 08-2 version will use the same upload client as Mail.dat 09-1 described in Chapter 5. Mailers must successfully complete testing Mail.dat 09-1 files in the Test Environment for Mailers. For further information see the User Access to Electronic Mailing Information and Reports Guide available on http://ribbs.usps.gov/index.cfm?page=intellmailguides.

TEM (Testing Environment): This environment is used for software approval processes for all mailers prior to moving into the production environment. Mailers must work with the help desk to start the approval process for their software, and must be approved in the TEM environment, prior to sending Mail.dat 09-1 transactions in the Production environment.

Production Environment: This environment will be used by all customers that have been approved in the TEM environment by the USPS to start sending the Mail.dat 09-1 transactions for postage payment.

As an added benefit, the Transportation Management function of the *PostalOne!* System provides 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.

Prior to Release 22 and in Release 22, Mail.dat files may be used in conjunction with Mail.XML to schedule appointments See the Postal Service Mail.XML Technical Specification for Appointment Scheduling (FAST) available on http://ribbs.usps.gov/index.cfm?page=intellmailguides.

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In Release 22, the Mail.dat files may be used in conjuction with some postage payment related Mail.XML messages. See the Postal Service Mail.XML Technical Specification for Postage Payment and Reporting (eDoc) available on http://ribbs.usps.gov/index.cfm?page=intellmailguides.

In Release 22, the Mail.dat files may be used in conjuction with some full-service and profile management Mail.XML messages. See the Postal Service Mail.XML Technical Specification for Postage Payment and Reporting (eDoc) available on http://ribbs.usps.gov/index.cfm?page=intellmailguides.

2 Sending Properly Configured Mail.dat files

To successfully conduct business electronically in the *PostalOne!* system, you will send Mail.dat files via the Internet. These Mail.dat files must be in the mailing industry format maintained in the IDEAlliance specification for Mail.dat.

Mail.dat files are processed and stored in the *PostalOne!* System. Postal Service™ personnel access these files over the Internet to conduct business and to support verification and acceptance procedures. The *PostalOne!* System uses the Mail.dat files to generate postage statements, qualification reports, reconciliation reports, eInduction reports and other reports for customers who have presented mailings to the Postal Service and displays that information to the customers. Postal Service acceptance clerks use review the generated qualification reports and postage statements together with the physical mail in the mail verification and acceptance process.

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.

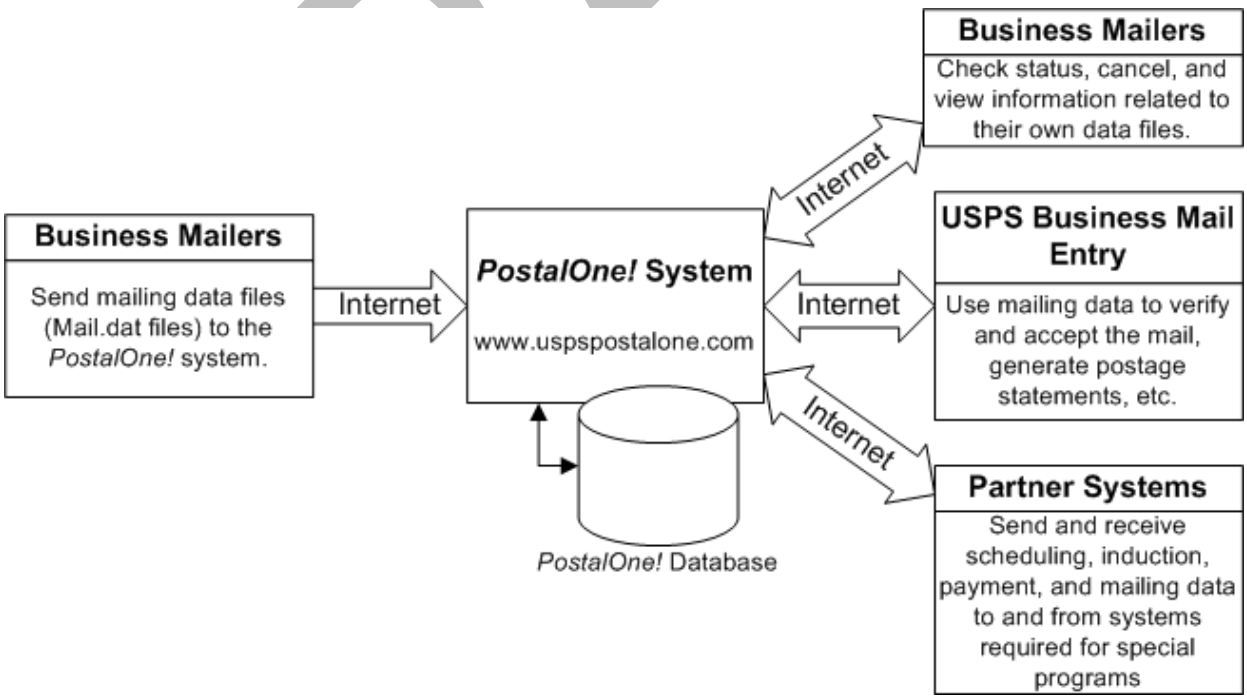

Figure 2-1. The *PostalOne!* System - Electronic collaboration via the Internet

NOTE: Mail.dat is a registered trademark of International Digital Enterprise Alliance, Inc. (IDEAlliance®) 2001-2009. IDEAlliance (http://www.idealliance.org/) is a not-for-profit membership organization, whose

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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.

2.1 Key Technical Requirements

2.1.1 Internet Connection

The minimum required speed for connectivity is 56kps. For optimal performance, the *PostalOne!* team suggests 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.

NOTE: Some service providers grant users faster download than upload speeds. As the file transfer tool is uploading, rather than downloading, files, limits placed on upload speed may impact performance. Users with long upload times may want to review their Internet connection speeds to see if the issue is the upload limits placed by their service providers.

2.1.2 Formatted Mail.dat files

To participate in the *PostalOne!* program, the files and fields must comply with the *PostalOne!* implementation of the *Mail.dat File Specification*. *PostalOne!* validation and business rules for Mail.dat may differ from what is identified in the Mail.dat specification. Additional technical details concerning Mail.dat file format and content, as used by the *PostalOne!* system, are provided in Section 2.2, Configuring Mail.dat files for Processing.

Participants must successfully transfer version 09-1 Mail.dat files to the Testing Environment for Mailers (TEM) *PostalOne!* System before transferring version 09-1 Mail.dat files to the Production *PostalOne!* System.

2.1.3 Methods of Transferring Files (Manual and Batch)

The *PostalOne!* system provides a choice of transfer methods for Mail.dat files. Mailing data files can be transferred manually (*manual*) or unattended (*batch*).

- **Manual mode for Mail.dat 08-1 and 08-2**. In manual mode, customers log on to the *PostalOne!* system and download the Java applet to validate and upload their Mail.dat files. This mode is called manual because a person must actively use the software client provided inside the *PostalOne!* system and be present while the files are transferred. Mail.dat version 08-1 will no longer be supported as of November 15, 2009. See Chapter 5 for instructions to download the *PostalOne!* Mail.dat Client used for version 08-2 files beginning November 15, 2009.

- **Manual mode for Mail.dat 09-1 and later**. In manual mode, customers log on to their client application, select the files they want to send, and then upload them. This mode is called manual because a person must actively use the software client provided by the *PostalOne!* System and be present while the files are transferred. The customers using existing *PostalOne!* pages for Mail.dat 08-1 and 08-2 must download this new Mail.dat 09-1 client software and configure it to work with the *PostalOne!* System. See Chapter 5 for instructions to download the *PostalOne!* Mail.dat Client used for the Mail.dat 09-1 manual mode.

- **Batch mode for Mail.dat 08-1 and 08-2**. 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. Mail.dat version 08-1 will no longer be supported as of November 15, 2009. See Chapter 5 for instructions to download the *PostalOne!* Mail.dat Client used for version 08-2 files beginning November 15, 2009.

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- **Batch mode for Mail.dat 09-1 and later**. Customers must download and configure the new software client created for Mail.dat 09-1. The existing client software that the customers are using for Mail.dat 08-2 and 08-1 will not work for the Mail.dat 09-1 specification data transfer. See Chapter 5 for instructions to download the *PostalOne!* Mail.dat Client used for the Mail.dat 09-1 batch mode.

- 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 A. Status Receipt File Layout.

2.1.4 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:

- **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 2.1.4.1, *Hardware*.

- **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 2.1.4.2, *Software*.

- **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 2.1.4.3, *Network*.

- **Mail.dat prerequisites**. The base requirements for the actual files sent. The *PostalOne!* system complies with the *Mail.dat File Specification*. As a result, Mail.dat files must comply with this specification and the exceptional business and validation rules implemented by the *PostalOne!* system and noted in this technical specification. This document notes any instances where the *PostalOne!* system differs from the Mail.dat specification, and supercedes the specification in all such instances. We strongly recommend that you obtain and read the specification. For more information, see Section 2.1.4.4, *Information/Manuals*.

Participants must successfully transfer version 09-1 Mail.dat files to the Testing Environment for Mailers (TEM) *PostalOne!* System before transferring version 09-1 Mail.dat files to the Production *PostalOne!* System.

- **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 2.1.4.5, User License Code.

- **CRID and MID prequisites**. To use Mail.dat version 09-1, a Customer Registration ID (CRID) is required, a Mailer ID (MID) is optional. For more information, see Section 2.1.4.6, CRIDs and MIDs.

- **Optional digital certificate prerequisites**. To send version 08-1 and 08-2 Mail.dat files in Batch mode, your company must obtain and install a digital security certificate. Digital security certicates are not required for version 09-1 files. For digital certificate requirements, see Section 2.1.4.7, Security Certificates and Chapter 4, Batch Processing.

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2.1.4.1 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:

Table 2-1. RAM Requirements Based on Net Job Size (for Mail.dat 08-1 and 08-2 Files)

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. Mail.dat version 08-1 will no longer be supported as of November 15, 2009.

For Mail.dat jobs with a large total file size, file transmission may result in an “Out of Memory” error on the Mail.dat 08-1, 08-2, or 09-1 client software. To resolve this issue, modify the Java™ Virtual Machine (JVM) memory arguments, and then retry the transmission. For more information on how to modify the JVM memory settings, see Section 3.1.5 for manual mode, or Section 4.1.9 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.

2.1.4.2 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.

For Mail.dat version 08-1 and 08-2, Microsoft Internet Explorer® 5.0 or later with the Java Virtual Machine (JVM) plug-in. The JVM should be version 1.4.2 (see the next item). On the Advanced tab of Internet Options, in the Use Java x.x for <applet> check box must be selected. For Mail.dat version 09-1, the Java version is automatically installed and must be at least 1.5. Mail.dat version 08-1 will no longer be supported as of November 15, 2009.

NOTE: Additional browsers, including Mozilla and Safari (Mac), of equivalent versions may also work, but are not officially supported.

- For Mail.dat version 08-1 and 08-2, users with new installations of Microsoft operating systems must now install Sun Microsystems® Java Virtual Machine 1.4.2 or greater on their browsers because newer Microsoft operating systems (such as Windows® XP) no longer support some Java software. If you do not do this, the *PostalOne!* functions for file validation and manual file transfer will not work. For Mail.dat version 09-1 the Java version is automatically installed and must be at least 1.5. 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.

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2.1.4.3 Network

The File Transfer software (Manual mode) uses http/https protocol to communicate through ports 80 and 443. If firewall settings prevent http/https communication through ports 80 and 443, reconfigure the firewall to allow this traffic. Port 443 is the standard port for https communication.

The version 08-1and 08-2 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.

2.1.4.4 Information/Manuals

To ensure that you accurately configure your Mail.dat files, use this technical specification and the *Mail.dat File Specification*, Version 09-1. The *Mail.dat File Specification* is a key document 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 Mail.dat specification download it online at http://www.idealliance.org/industry_resources/production_and_supply_chain/mail.dat/specifications.

For technical support, contact the *PostalOne!* Customer Support team. See Section 6, *PostalOne!* System Help Desk, for contact information.

2.1.4.5 User License Code

To participate in the *PostalOne!* program, obtain a valid User License Code (ULC) (sometimes called a provider code) 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. The Postal Service systems treat the User License Code or provider code as case sensitive.

2.1.4.6 CRIDs and MIDs

With Mail.dat 09-1, obtain access to your CRID (Customer Registration ID) and MIDs (Mailer IDs) generated by the USPS to track individual customer locations uniquely and to track a customer within an IMB (Intelligent Mail, Barcode). These IDs will be provided back to the *PostalOne!* system through the Mail.dat specification.

2.1.4.7 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 for Mail.dat 08-1 and 08-2, 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. Mail.dat version 08-1 will no longer be supported as of November 15, 2009.

If you use the batch mode file transfer process for Mail.dat 08-1, and 08-2, your company must have a SSL certificate installed and set up. For information about security certificates, see Section 4.1.6, Digital Certificates/Security.

Security certificates are not required for Mail.dat 09-1 transmissions, batch or manual.

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2.1.4.8 Collaboration

The IDEAlliance Mail.dat Work Group collaborates with the Postal Service to find solutions for new business needs in 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/). All *PostalOne!* system users may join the *PostalOne!* user group by contacting the leaders of the group.

2.2 Configuring Mail.dat 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* from IDEAlliance. For more information about obtaining these, see Section 2.1.4.4, Information/Manuals.

2.2.1 Required Files and Fields

A Mail.dat job sent to the *PostalOne!* system consists of, at most, twenty 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, with a few exceptions. The rules specific to USPS and/or the *PostalOne!* system have been removed from the Mail.dat specification, and placed in this technical specification. In any instance where this technical specification differs from the IDEAlliance Mail.dat specification, this technical specification's rules take precedence.

For a listing of the files available for Mail.dat processing in the *PostalOne!* system and their purpose, see Appendix B. Mail.dat File Definitions. To review the field level validation performed by the *PostalOne!* system, see Appendix C. Mail.dat Field Validation. Appendix D also notes any fields required by the *PostalOne!* system, but not marked in the Mail.dat specification. To review the error messages, see Appendix D. Error Messages.

2.2.2 Relationship Constraints Description

This section describes the relationship constraints validated by the validation module, based on the different Mail.dat presentation categories. For all presentation categories:

- All key field relationships between the different records of the Mail.dat file are validated, based on the Presentation Category.
- All Mail.dat records are validated to ensure that no duplicate records exist based on the key field combinations.
- Mail.dat records are validated to ensure that all referenced related records are present, for any given record of a Mail.dat job.

NOTE: Only the 'Conventional Presort' and the 'MLOCR' Mail.dat presentation categories are implemented and tested in the *PostalOne!* system. Manifest presentation categories will be processed the same as 'Conventional Presort'.

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.
- The *PostalOne!* system does not load or validate any 'history' records present in a 'HDR' file.

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- Each *PostalOne!* submission for a Job ID must have a current header records with a unique Header History Sequence Number. All previously submitted header records would have to be updated so they are "historical" rather than "current" records.

- 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:

Table 2-2. Presentation Category Values Required to Pass Validation

Value Definition	Rules of Validation
P = Conventional Presort S = Manifest Summary I = Manifest Individual M = MLOCR	If Mail.dat Presentation Category is 'P', the following files must be present to successfully pass validation. • Header • Segment • MPU • MPU/C Relationship • Mailer Postage Account • Component • Container Summary • Container Quantity • Package Quantity Optional files: • Piece Detail Record (conditionally required for Full-service with the Original Job Transaction) • Intelligent Mail Range Record (conditionally required for full-service with the Original Job Transaction) • Piece Detail Record (conditionally required for Full-service when the associated container status is set to Ready to Pay) • Intelligent Mail Range Record (conditionally required for Full-service when the associated container status is set to Ready to Pay) • Original Container Identification (in Release 22) • Postage Adjustment Record • Postage Statement Record (not supported) • Walk Sequence Record
N = Single-Piece	Not supported

SEG: (required for all presentation categories)

- 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.

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- 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 field of the .mcr file. Additional postage may only be charged to a permit imprint account.

- 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 in the Mailer Postage Account (MPA) file of the first submission (original or preliminary).

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 to describe characteristics of the mailpiece)

- 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 to relate MPU to CPT and MPA)

- 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, but not allowed for the Periodicals mailing class)

- For 09-1 Mail.dat files, the *PostalOne!* system allows mailers to indicate shortage pieces (listed in the postage statement, but never created) and spoilage pieces (listed in the postage statement and created, but ruined or removed prior to actual mailing), and indicate how postage should be adjusted. These options are only available for Mail.dat 09-1 statements pending finalization; shortage and spoilage after finalization require the mailer to follow the existing refund request process. Adjustments can be made using either .pdr or .par files. Adjustments cannot be made using both types of file in the same job.

- To support the spoilage and shortage process in *PostalOne!*, the postage statements (including the downloadable versions) will display the summarized data for missing or damaged pieces on a new line.

- Because the PAR records are optional, there can be zero 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 zero or one postage adjustment record present in the PAR file for each component record present in the CPT file.

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- Because the 'PAR' records have a PAR Sequence Number, there can be one or more postage adjustment record(s) present in the 'PAR' file for each MCR record present in the MCR file.

- A single postage statement may have no more than one adjustment; however, multiple PAR records can apply to the same postage statement. Adjustments can only be applied to postage statements with “UPD” (USPS Processing Due) status.

- For each ‘PAR’ file submitted with Ready to Pay Adjustment Status (“R”), there must be an associated ‘CSM’ file with Container Status set to “R” (Ready to Pay).

- The MPA – Unique Sequence/Grouping ID in a PAR record must refer to a permit in an MPA file with Postage Payment Method set to “P” (Permit Imprint) or “G” (OMAS Imprint).

- No duplicate postage adjustment records should be present in the 'PAR' file considering the key fields of this record.

WSR: (optional for all presentation categories, required for Enhanced Carrier Route Saturation)

- 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.

- A Walk Sequence Report for BMEU and Mail Preparers is provided based on data provided in WSR file of the Mail.dat job.

CSM: (this record type contains a record for each container and handling unit)

- No duplicate container summary records should be present in the 'CSM' file considering the key fields of this record. The container summary includes records for both containers and handling units in the mailing.

- For all 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.

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

    - Job ID
    - Segment ID
    - Container ID
    - Container Type
    - Sibling Container Indicator
    - Sibling Container Reference ID

    All fields in the CSM record that optionally may have values are:

    - Label IM Container or IM Tray Barcode
    - Label: 10-Character Container Barcode
    - Label: Destination Line 1
    - Label: Destination Line 2
    - Label: Contents - Line 1
    - Label: Contents - Line 2

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- Label: Entry (Origin) Point Line
- Label: User Information Line 1
- Label: User Information Line 2
- Label: Container Label CIN Code
- Label: Container Label Type.

NOTE: All other fields in this CSM sibling container record MUST be left blank (including Unique Container ID).

- The Original/Sibling Container relationship is validated. If a Sibling Container record exists, its original (stating all the required values that are attributed to the sibling container) must be present.

- If a container references a parent container, the parent container must be a valid Container ID in the Container Summary Record.

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

- Container and Tray barcodes are required for Full or Mixed Service mailings. These must be put into the Label: IM Container or IM Tray Barcode.

- In Release 22, when the Included in Other Documentation field is 'L' an OCI file must be submitted.

IMR: (The PDR or the IMR is required for full-service and is supported for version 09-1 mailings only)

- A PDR or IMR is required when the Full-service Participation Indicator in the segment record value is "F" or "M" for 09-1 files. This file fulfills the full-service requirement to report the nesting of pieces in the handling units and containers.

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

CQT: (describes characteristics required for qualification reports and postage statements)

- 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.

- The CQT rate category determines the price on the postage statement. For a CQT representing full-service mailpieces, the rate category must be allowed for full-service mailings. To view rate categories accepted by class and presentation category, see Appendix C. Mail.dat Field Validation.

PQT: (this record type contains a record for each bundle)

- 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.

- 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.

- For Outside-County Periodicals, the package quantity records are required to determine applicable bundle charges, and to produce the qualification and bundle reports.

PDR: (The PDR or the IMR is required for full-service and is supported for version 09-1 mailings only)

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- A PDR or IMR is required when the Full-service Participation Indicator in the segment record value is “F” or “M” for 09-1 files. This file fulfills the full-service requirement to report the nesting of pieces in the handling units and containers.

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

- For 09-1 Mail.dat files, the *PostalOne!* system allows mailers to indicate shortage pieces (listed in the postage statement, but never created) and spoilage pieces (listed in the postage statement and created, but ruined or removed prior to actual mailing), and indicate how postage should be adjusted. These options are only available for Mail.dat 09-1 statements pending finalization; shortage and spoilage after finalization require the mailer to follow the existing refund request process. Adjustments can be made using either .pdr or .par files. Adjustments cannot be made using both types of file in the same job.

- To support the spoilage and shortage process in *PostalOne!*, the postage statements (including the downloadable versions) will display the summarized data for missing or damaged pieces on a new line.

MSR: (Not supported by the *PostalOne!* system - use the IMR file or the PDR file instead.)

MIR: (Not supported by the *PostalOne!* system - use the IMR file or the PDR file instead.)

OCI (in Release 22):

- The Container ID field in the .oci file must match a Container ID that exists in the .csm file.

- The Original Job ID field in the .oci file must match the Job ID of the corresponding job submitted at the origin site.

- The Original User License Code field in the .oci file must match the User License Code field submitted in the .hdr file of the corresponding job submitted at the origin site. The Postal Service systems treat the User License Code or provider code as case sensitive.

- The Original Segment ID field in the .oci file must match the Segment ID field submitted in the .hdr file of the corresponding job submitted at the origin site.

- The Original Container ID field in the .oci file must match the Container ID field submitted in the .csm file of the corresponding job submitted at the origin site for records in the origin .csm file where the Included in Other Documentation field is ‘O’.

- The Original Display Container ID field in the .oci file must match the Display Container ID field submitted in the .csm file of the corresponding job submitted at the origin site for records in the origin .csm file where the Included in Other Documentation field is ‘O’.

- The Original Label IM™ Container or IM™ Tray Barcode field in the .oci file must match the Label IM™ Container or IM™ Tray Barcode field in the .csm file of the corresponding job submitted at the origin site for records in the origin .csm file where the Included in Other Documentation field is ‘O’.

2.2.3 Co-palletization Validation Constraints

A single co-palletized Mail.dat job must have only one Header file Mail.dat Presentation Category and cannot combine MLOCR with non MLOCR mail.

Prior to Release 22, 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-

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palletized mailing must not be reported on a postage statement associated with the original presort. Mailings that are co-palletized cannot be reported unless a new file or file segment has been built that correctly identifies the package makeup of the new containers.

In Release 22, co-palletization using the OCI file will be supported for mail prepared in bundles placed on pallets (Standard Flats and Periodical Flats). For bundles placed on pallets, virtual sacks are used to designate the sortation level and destination. Co-palletization using the OCI file will be supported for trays placed on pallets (First-Class Letters, First-Class Flats, Standard Letters).

For tray and bundle based co-palletization, the job submitted at the origin site must include the .hdr, .seg, .mpu, .mcr, .mpa, .cpt, .csm, .cqt, and .pqt files for non Full-Service jobs. For Full-Service mailings, the job must also include a .pdr or .imr file. For trays on pallets, the job submitted at the consolidator site must include the .hdr, .seg, .csm, and .oci files. If other files are submitted, the Mail.dat validation will accept the job and ignore the other files submitted. For bundles on pallets, the consolidator also must include the .mpa, .mpu, .mcr, .cqt, .pqt. If other files are submitted for tray or bundle-based copalletization, the Mail.dat validation will accept the job and ignore the other files submitted.

The Original Job ID in the .oci file must match the Job ID in the files submitted at the origin site. Electronic documentation must have been submitted for the original job prior to the submission of files at the consolidator site. If electronic documentation was not submitted for the original job, the consolidator's files will be rejected when the .oci file is submitted. If a Full-Service job is submitted at the origin site, the consolidator is required to submit a Full-Service or Mixed-Service job for the co-palletized portion of the mailing.

The Included in Other Documentation field in the .csm file for the job submitted at the origin site must be set to blank or 'O' (Original container). For bundle based co-palletization, if the Included in Other Documentation field is set to 'O', the Container Type in the .csm file must be 'V' (Virtual Sack). For tray based co-palletization if the Included in Other Documentation field is set to 'O', the Container Type in the .csm file must be a tray type. For both tray and bundle based co-palletization, the Included in Other Documentation field in the .csm file for the job submitted at the consolidator site must be set to blank or 'L' (Linked or new container). The Included in Other Documentation field in the .csm file for the job submitted at the consolidator site must be blank for pallet level containers. The Included in Other Documentation field cannot contain both 'O' and 'L' in a single .csm file.

The transportation fields in the .csm file (USPS Pick Up, CSA Trip ID, Scheduled Ship Date, Scheduled Ship Time, Reservation Number, Scheduled Induction Date, Scheduled Induction Time) are not required and will not be validated for Full-Service containers submitted at the origin site that will be sent for co-palletization. Transportation information will be expected on the pallet level containers submitted by the consolidator.

A postage statement will be generated and finalized at the origin site for tray based co-palletization. The only updates supported for the job submitted at the consolidator are Transportation updates. A postage statement will be generated and finalization at the consolidator site for bundle based co-palletization using the information from the origin site job. No updates will be supported for the origin job once the postage statement is finalization at the consolidator site. .

2.2.4 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 Indicator field in the Segment record 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.
- For MLOCR mailings, mailers should take extra care when using:
    - parent containers to define logical pallet to logical handling unit relationships
    - sibling containers to map logical handling units to physical handling units
    - sibling containers to map logical containers to physical containers.
- The postage statement cannot claim a “Single Piece” Rate Category. For example, a Standard Mail postage statement cannot claim First-Class Mail single pieces.
- 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, number of copies, and the parent container reference ID. 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.
- Prior to Release 22, containers cannot have Container Status “P” (Preliminary) in an update file. Beginning in Release 22.0, containers may be submitted with a Container Status “P” 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) values “G” (Government), “S” (Precanceled stamps), “C” (Metered - Correct), “L” (Metered – Lowest), or “M” (Metered – Neither) must have one Additional Postage MPA ID in the MPU / C Relationship (.mcr) record. Only one account is allowed for additional postage payment for this type of mailing, even if the mailing includes multiple statements.
- When sibling containers are used to identify a logical/physical container relationship in an MLOCR mailing, mailers should comply with the information in the Physical/Logical Trays and Pallets section of the Mail.dat specification.
- An MLOCR mailing cannot include a postage adjustment record (.par) file.
- When applicable use a new segment record in a single Job ID rather than sending multiple Job IDs. A new segment record will generate a new qualification report but still allow consolidation into the same Master Postage Statement.

2.2.5 Periodicals Validations

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.

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The following items impact price calculations:

1. The Flats Machinability field cannot be blank if Mail Piece Unit – Processing Category is “FL”. Flats Machinability. The Flat Machinability field in the MPU file accepts the value “Y” for flats machinable under DMM 301.1.3 and the value “U” for flats machinable under 707.26.

2. Outside-County prices for bundles and containers.

   - The prices for the Outside County Bundles depend on the Package Quantity - Package Level and the Container Summary - Container Level. For specific mappings, see Appendix C. Mail.dat Field Validation.

   - The prices for the Outside County Containers depend on the Container Summary fields Container Type, Entry Point for Entry Discount – Facility Type and Container Level. For specific mappings, see Appendix C. Mail.dat Field Validation.

3. In the required Segment field Container and Bundle Charge Method:

   - 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 becomes required. If the field is set to value “1” the third-party statement for parts D and E must be entered manually.

   - If the value is set to “3”, the MPA ID for Container and Bundle Charge Method field is not required.

4. If there are multiple segments, validation uses the first Container and Bundle Charge Method for the entire job. This differs from the Mail.dat specification.

5. For postage statements paying the Standard Mail price using Pending Periodicals permits, the field Class Defining Preparation in the .seg file must be “2” (Periodicals) and Class must be “5” (Periodicals Pending) as applicable in the .cpt file and the .mpu file. Pending Periodicals number must be in the Permit field of the .mpa file.

6. Pending Periodicals can include firm bundles of automation mailpieces, First-Class Mail incidental enclosures, non-incidental enclosures, combined statements, or special authorizations (nonprofit, science of agriculture, or classroom prices).

7. Validation accepts firm bundles for Outside-County Periodicals. For all mailings claiming firm bundles, Package Level 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. Combinations of firm bundles with enclosures are not supported.

8. Periodicals jobs will fail if a Periodicals mailing or an enclosure in a Periodicals mailing claims an unauthorized price category, such as Nonprofit, Classroom, or Science of Agriculture.

9. In Release 22, Periodicals Loose Addressed Supplements will be supported. The Loose Addressed Supplements will need to be associated to a separate MPU which includes a CPT with Mail Class of 2, Rate Type of Z, Ad % Treatment of S. The only other CPT records that may be associated to the MPU are additional Loose Addressed Supplement components, incidental enclosures or repositionable notes. Loose Addressed Supplements will generate a separate child postage statement from their host publication. The child postage statement will be consolidated under the normal business rules. Container or bundle charges will be associated with the Loose Addressed Supplements. The Rate Type from the MPU will be used to identify the rates (Regular, Non-Profit, etc) used for the postage statement. To qualify for Full-Service, all loose addressed supplements will need an associated IMR or PDR record. The Copy Count in the CQT records associated to the

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Loose Addressed Supplements must be greater than or equal to the Piece Count. The Copy Count will not be displayed on the postage statement. Addressed supplements may be sent with repositionable notes, ride-alongs, additional addressed supplement components. The same addressed supplement may be associated with various mail piece units. A Mail.dat job may contain only addressed supplements. The details for each of these scenarios are in Appendix C section Component Record – Addressed Supplement Scenarios.

10. The Mail Owner for full-service data distribution cannot be identified through a USPS Publication Number for the Full-service compliance in May. The Publisher must be identified using a CRID or MID. MPA Mail Owner's Lcl Permit Ref Num/ Intnl Bill Number if populated must contain a Permit Number.

11. For version 09-1 Mail.dat files, the advertising percentage comes from the Component file and the Ad % Basis is used to compute the advertising percentage of the edition if the advertising percentage is populated on more than one component. For version 08-1 and 08-2 Mail.dat files, postage is calculated using the Mail Piece Unit field advertising percentage. The Appendix E Periodicals Procedures contains more details on how to use the Ad % Basis . Mail.dat version 08-1 will no longer be supported as of November 15, 2009.

12. The edition weight worksheet is available for the PS Form 3541 Postage Statement – Periodicals after the Mail.dat file is sent with Container Summary field Container Status with value ready-to-pay. This worksheet is available on a hyperlink within the postage statement displayed on the dashboard. For Mail.dat versions 08-1 and 08-2, the worksheet may be updated with the weight per MPU by the postal clerk at the acceptance unit and is available for display by the publisher or mailer. For Mail.dat versions 09-1, the worksheet may be updated with the weight per CPT by the postal clerk at the acceptance unit and is available for display by the publisher or mailer. For the Mail.dat version 09-1 the edition weight used to calculate postage is also displayed on the edition weight worksheet. Some mailers may have arranged to insert the corrected weights into the Mail.dat file update rather than allow the postal clerk to update the edition weight worksheet. There is no method of communicating the need to correct weights to the publisher or mailer. The publisher or mailer must make arrangements with the acceptance office for appropriate communication that the correct weights are updated via Mail.dat and the postage statements are ready for finalization and payment. The editon weights may not be changed after finalization except by reversing the postage statements and resubmitting the Mail.dat job. The edition weight worksheet may be printed or downloaded via Excel, csv or pdf formats. The Appendix E Periodicals Procedures contains detailed instructions to display and download the edition weight worksheet.

13. The advertising percentage worksheet is available for the PS Form 3541 Postage Statement – Periodicals after the Mail.dat file is sent with Container Summary field Container Status with value ready-to-pay. This worksheet is available on a hyperlink within the postage statement displayed on the dashboard. For Mail.dat versions 08-1 and 08-2, the worksheet may be updated with the advertising percentage per MPU by the postal clerk at the acceptance unit, or by the publisher or mailer. For Mail.dat versions 09-1, the worksheet may be updated with the advertising percentage per CPT by the postal clerk at the acceptance unit, or by the publisher or by the mailer, and is available for display by the publisher or mailer. For the Mail.dat version 09-1 the edition advertising percentage used to calculate postage is also displayed on the advertising percentage worksheet. Some mailers may have arranged to insert the corrected advertising percentages into the Mail.dat file update rather than update the advertising percentage worksheet. There is no method of communicating the need to correct advertising percentage to the publisher or mailer. The publisher or mailer must make arrangements with the acceptance office for appropriate communication that the correct advertising percentages are updated via Mail.dat and the postage statements are ready for finalization and payment. In the case of a Centralized Periodicals Payment CPP publication using the payment request option, the advertising percentages may be changed after finalization and before the payment request is complete. The advertising percentages may not be changed after finalization (or in the case of CPP payment request completion) except by reversing the postage statements and resubmitting the Mail.dat job. The advertising percentage worksheet may be printed or downloaded

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via Excel, csv or pdf formats. The Appendix E Periodicals Procedures contains detailed instructions to display and download the advertising percentage worksheet.

14. The issue level postage statement report is available in the reports menu. This issue level postage statement combines data from all the PS Forms 3541 Postage Statement – Periodicals from all acceptance offices (in the *PostalOne!* system) for the selected issue date or issue volume and or issue number. The data is shown in a single issue level postage statement. This postage statement report is useful to many publishers in their accounting systems. The help documentation in the *PostalOne!* system contains detailed instructions on how to display and download the issue level postage statement report.

15. The features described above (Ad % Basis, edition weight worksheet, advertising percentage worksheet and issue level postage statement) are available for all publications. The payment request feature described in this item is only available to Centralized Periodicals Payment (CPP) publications paying for Periodicals postage in New York by CAPS accounts. CPP publications paying for postage at the CPP Office at the Pricing and Classification Center (PCSC) in New York may not select the full-service option because they do not submit Mail.dat files to the *PostalOne!* System. To receive full-service, these publications must pay for postage at their acceptance office(s) using Mail.dat files. Electronic Documentation Process A Guide for Centralized Postage Payment (CPP) Customers available at http://ribbs.usps.gov/index.cfm?page=intellmailguides provides further instructions to pay using Mail.dat files. When using the request payment feature the mailer sets the payment date for the payment request. The full-service reports are not available until after the payment request is paid. If the mailer or publisher does not make the payment request by 28 days after the first mailing date found in the payment request the system automatically makes the payment request and debits the CAPS account.

16. To configure a Mail.dat file for payment of each Mail.dat job, the mailer shall set the Mailer Postage Account file field Postage Payment Option to V = PVDS, T = CAPS or C = CPP (if a participant in Centralized Postage Payment for Periodicals).

17. To configure a Mail.dat file for the payment request option and pay for all jobs for an issue at the acceptance office up to 28 days after the first date of mailing, the postal clerk at the acceptance office must set the USPS Publication Number to the CPP option. The mailer shall set the Mail.dat Mailer Postage Account file field Postage Payment Option to C = CPP. The Electronic Documentation Process Guide for CPP Mailers on http://ribbs.usps.gov/index.cfm?page=intellmailguides contains detailed instructions to perform a Payment Request.

18. Comail or Co-palletization may not mix CPP paying for postage at the PCSC in New York with other publications paying at the acceptance office in the same ready-to-pay container in the same Mail.dat job. If the CPP publication cannot submit eDoc at the acceptance office, a possible workaround is to put this comail or co-palletization data into a separate Mail.dat job. Coordinate with the acceptance office so they may follow special procedures to verify and release this mail.

19. Comail or co-palletization will normally be assigned a combined mailing ID that links a verification statement together with all of the postage statements for the unique publication issues in the mailing (Publication issues are represented by Publication Number considered together with Issue Date or Volume Number and Issue Number in the Mailer Postage Account file). Currently there is a bug in Mail.dat 9-1 where if two different publication numbers match on both mailing date and issue number, there is no combined mailing ID assigned. The statements will not be linked by the combined mailing ID in the dashboard view. The separate postage statements are still correctly entered in *PostalOne!* If the mailer expects this to happen in a particular mailing one solution is to force a difference in the Issue Number in the Mail.dat file. For example one publication could set issue number to ‘30’ and the other could set it to ‘no30’. Alternatively, the acceptance office will verify and finalize the statements separately.

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2.2.6 Full-service

Full-Service provides the Mailers with the option to receive information on the following services: Start-the-Clock, Container Visibility, Address Correction (ACS) Change of Address (COA), ACS Nixie, Performance Based Verification (PBV) Full-Service Compliance Results, and CONFIRM. Full-Service is supported only for Mail.dat version 09-1.

2.2.6.1 Full-service Data Distribution

The dissemination of the data is referred to as Full-Service Data Distribution. The recipients for the Data Distribution are determined according to the By/For relationship defined in the Mail.dat file submission.

Submitting the By/For Information

There are two methods for submitting the By/For information for Data Distribution. The selection of the appropriate method is determined by the Mail.dat file used to submit the piece information in Mail.dat. The options are either the Piece Detail Record (PDR) or the Intelligent Mail Range Record (IMR).

Option for Piece Detail Record: If the mailer is submitting the piece information using the PDR Record, the following options can be used for identifying the By/For:

Option A: Component Record and MPU/C Relationship Record

In Component (CPT) record, the Mail Owner can be identified by **either** a Mailer ID of Mail Owner **or** a CRID of Mail Owner (only one of the fields needs to be populated, if both are populated, the order of preference is indicated in the table below). In either case, when using the Component record to provide owner identification, the Host Statement Component ID in the MCR must be populated with the Component ID from the host component record. The Host Statement Component ID in the MCR must always be populated even if it is the same as the Component ID in the MPU/C Relationship Record (self referential).

The PDR record identifies the CQT Database ID and the CQT record identifies the Mail Piece Unit MPU record. The MPU/C Relationship Record (MCR) record for this MPU record where the Component ID is the same as the Host Component ID references the MCR - Primary MPA ID. The *PostalOne!* System finds the MPA - Unique Sequence/Grouping ID that matches the MCR - Primary MPA ID and uses this MPA to find the **either** a Mailer ID of Preparer **or** CRID of Preparer (only one of the fields needs to be populated, if both are populated, the order of preference is indicated in the table below).

Table 2-3. Data Distribution Fields (PDR with CPT and MCR)

Mail.dat File	Mail.dat Field name	Identifies	Order of Preference
CPT	Mailer ID of Mail Owner	Owner	First
CPT	CRID of Mail Owner	Owner	Second
MPA	Mailer ID of Preparer	Preparer	First
MPA	CRID of Preparer	Preparer	Second
MCR	Host Statement Component ID	Host Component	Required

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Mail.dat File	Mail.dat Field name	Identifies	Order of Preference
		for MPA record	

Option B: Mail Postage Account Record (MPA)

In MPA, Mail Owner can be identified by **one of** Mailer ID of Mail Owner, CRID of Mail Owner, **or** Mail Owner's Lcl Permit Ref Num / Int'l Bill Num. (Only one of the fields needs to be populated, if more are populated, the order of preference is indicated in the table below). For Nonprofit Standard Mail the Mail Owner's Lcl Permit Ref Num / Int'l Bill Num must be populated with the mail owner's permit that is authorized for Nonprofit Standard Mail.

In MPA record, the Mail Preparer can be identified by **either** a Mailer ID of Preparer **or** a CRID of Preparer. (Only one of the fields needs to be populated, if both are populated, the order of preference is indicated in the table below).

Table 2-4. Data Distribution Fields (PDR with MPA)

Mail.dat File	Mail.dat Field name	Identifies	Order of Preference
MPA	Mailer ID of Mail Owner	Owner	First
MPA	CRID of Mail Owner	Owner	Second
MPA	Mail Owner's Lcl Permit Ref Num / Int'l Bill Num	Owner	Third
MPA	Mailer ID of Preparer	Preparer	First
MPA	CRID of Preparer	Preparer	Second

Option for Intelligent Mail Record: If using Intelligent Mail Range record for submitting the piece information, the Mail Owner can be identified by **either** a Mailer ID of Mail Owner **or** a CRID of Mail Owner. (Only one of the fields needs to be populated, if both are populated, the order of preference is indicated in the table below.)

In IMR record, the Mail Preparer can be identified by **either** a Mailer ID of Preparer **or** a CRID of Preparer. (Only one of the fields needs to be populated, if both are populated, the order of preference is indicated in the table below.)

Table 2-5. Data Distribution Fields (IMR)

Mail.dat File	Mail.dat Field name	Identifies	Order of Preference
IMR	Mailer ID of Mail Owner	Owner	First
IMR	CRID of Mail Owner	Owner	Second

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Mail.dat File	Mail.dat Field name	Identifies	Order of Preference
IMR	Mailer ID of Preparer	Preparer	First
IMR	CRID of Preparer	Preparer	Second

By/For Verification

A By/For Verification process occurs during eDoc processing of Full-Service 09-1 Mail.dat files. By/For Verification validates that the Mail Preparer (By) and Mail Owner (For) identifiers specified in the eDoc are internally consistent and valid. The Mail Owner determined during By/For Verification is used to confirm the correct "Profile" to be used for Data Distribution.

The result of By/For Verification determines the data recipients for the Data Distribution. The following reference data is used to determine valid By/For:

- The CRID must be valid in Customer Registration
- The CRID must be associated to the Mailer ID in the Mailer ID system
- The Permit (Mail Owner's Lcl Permit Ref Num / Int'l Bill Num from MPA) must be associated to the CRID in the *PostalOne!* System

The By/For would be considered invalid if there is a conflict between the Mail Owner and Mail Preparer fields within an 09-1 Mail.dat, identified during By/For Verification. These discrepancies during eDoc processing are returned to *PostalOne!* as By/For Conflict messages. A By/ For Conflict message is provided for notification only. It does not prevent mailers from receiving feedback on ACS, Start-the-Clock, Container Visibility, PBV Full-Service Compliance Results, and CONFIRM. Below the rules for Mail Owner Conflict and Mail Preparer Conflict are described. These rules depend on whether the mailing is with a Piece Detail Record (PDR) record or an IMR.

Mail Owner Conflict with Piece Detail Record

1) CRID of Mail Owner from MPA does not match CRID of Mail Owner from CPT
2) Mailer ID of Mail Owner from MPA does not match Mailer ID of Mail Owner from CPT.
3) CRID of Mail Owner from MPA or CPT does not match CRID associated to the Mailer ID of Mail Owner from MPA or CPT.
4) CRID of Mail Owner from MPA or CPT does not match CRID associated to the Mail Owner Permit from MPA
5) CRID associated with Mailer ID of Mail Owner from MPA or CPT does not match CRID associated with Mail Owner Permit from MPA
6) CRID associated to the Mailer ID of Mail Owner from MPA does not match CRID associated to the Mail Mailer ID of Mail Owner from the CPT

Mail Preparer Conflict with Piece Detail Record

CRID of Preparer from MPA does not match CRID associated to Mailer ID of Preparer from MPA.

Mail Owner Conflict with Intelligent Mail Record

CRID of Mail Owner from IMR does not match the CRID associated to Mailer ID of Mail Owner from IMR

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Mail Preparer Conflict with Intelligent Mail Record

CRID of Preparer from IMR does not match the CRID associated to Mailer ID of Preparer from IMR.

2.2.6.2 Full-Service, Mixed Full-Service, Basic, and POSTNET Mailings

The *PostalOne!* system supports the mixture of full-service, basic service, and POSTNET mailpieces in a bundle, sack, or tray for a single mailing. Validation processes such mixed mailings and requires the following fields and values as well as either the Intelligent Mail Range (IMR) or the Piece Detail Record (PDR) file:

Table 2-6. Required Field Values for Full-Service

File	Field Name	Acceptable Values
Header (.hdr)	Mail.dat Presentation Category	M, P, I, S
Segment (.seg)	Full-service Participation Indicator	F, M
Segment (.seg)	Class Defining Preparation	1, 2, 3, 4
Mail Piece Unit (.mpu)	Mail Piece Unit – Rate Type	First-Class Mail: R Periodicals: R, N, S, C, W, Y Standard Mail: R,N Package Services: B
Mail Piece Unit (.mpu)	Mail Piece Unit – Processing Category	LT, FL, CD
Mail Piece Unit (.mpu)	Country	US
Mailer Payment Account (.mpa)	Postage Payment Method	P, S, L, C, M, T
Component (.cpt)	Component – Class	1, 2, 3, 4, 5
Component (.cpt)	Component – Rate Type	R, N, S, C, B, T, L, F, B, E, G, J, K, W, Y, Z (In Release 22, Z for a stand-alone CPT in an MPU is for Periodicals Loose Addressed Supplements only)
Container Quantity (.cqt)	Service Level Indicator	F, B, P, O **NOTE**: For mixed mailings, at least one .cqt record must use “F”.

2.2.7 Unsupported Mailing Cases

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

- Mailings with multiple mail classes. This includes the experiment for copalletization of Periodicals and Standard Mail.
- Co-palletized mailings where a segment contains only mother containers.
- International mail.
- Pending Periodicals with parcels prices (including 16-20 ounce flats).
- Move Update method updates.
- Periodicals Exception to Sacking (DMM section 707.23.4.2). Sacking is not required for bundles prepared for and entered at a DDU when the mailer unloads bundles under (DMM section)

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707.28.4.6. Mail presented under this exception is not subject to the container charge (but is still subject to the bundle charges).

- 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 707.23.4, submit the mailing with the alternative standardized documentation and postage statements.
- For MLOCR mailings, postage statements cannot claim the "Single Piece" rate category.
- Detached Address Labels

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

2.3 Postage Payment

This section discusses how to list the parties involved in a postage statement, including designating the permit(s) to be used for payment. There are three subsections: Postage statement Generation, Rejection and Conflict Resolution, Permit Roles, Additional Postage and Non-incidental Enclosures.

2.3.1 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.

2.3.1.1 Key Fields

This section discusses the key fields used to generate qualification reports, postage statements within a job, and master postage statements based on the Mail.dat 09-1 specification and the *PostalOne!* system. The *PostalOne!* system automatically generates a new qualification report each time there is a new value found in the Segment file Segment ID. The *PostalOne!* system automatically generates a new postage statement each time a unique set of information is found in the following fields:

Table 2-7. Key Postage Statement Generation Fields

Field	Record(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 or User License Code	(Multiple files)	Must be identical for all files in the job. Mail.dat validation treats this field as case sensitive.
Periodicals Issue Number	Component (CPT)	Periodicals only.
Periodicals Volume Number	Component (CPT)	Periodicals only.
Periodicals Frequency	Component (CPT)	Periodicals only.
Periodicals Issue Date	Component (CPT)	Periodicals only.
Container Ship Date	Container Summary (CSM)	08-1and 08-2 only. This is the mailing date on the postage statement.
Container Status	Container Summary (CSM)	

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Field	Record(s)	Notes
Entry Point for Entry Discount Postal Code	Container Summary (CSM)	Periodicals only.
Postage Grouping ID	Container Summary (CSM)	
Postage Statement Mailing Date	Container Summary (CSM)	09-1 only. This is the mailing date on the postage statement.
Customer Reference ID (previously known as CAPS Reference ID)	Mailer Postage Account (MPA)	
Federal Agency Cost Code	Mailer Postage Account (MPA)	Non-Periodicals only.
Permit Number	Mailer Postage Account (MPA)	Pending Periodicals and non-Periodicals, including enclosures
Permit ZIP Code + 4	Mailer Postage Account (MPA)	
Postage Payment Method	Mailer Postage Account (MPA)	
Publication Number	Mailer Postage Account (MPA)	Periodicals only.
Rate Type	Mailpiece Unit (MPU)	
Mail Piece Unit (MPU) ID	Mailpiece Unit (MPU)	
Mail Piece Unit Weight	Mailpiece Unit (MPU)	Periodicals only.
Mail Piece Unit Name	Mailpiece Unit (MPU)	Periodicals only.
Periodicals Advertising Percentage	Mailpiece Unit (MPU) or Component (CPT)*	Periodicals only. MPU is 08-1 and 08-2 only.
Processing Category	Mailpiece Unit (MPU) or Component (CPT)*	
Mail Piece Unit - Class Component Class	Mailpiece Unit (MPU) or Component (CPT)*	
Mail Piece Unit – Rate Schedule	Mailpiece Unit (MPU)	09-1 only
Automation Coding Date	Segment (SEG)	Periodicals only.
Carrier Route Coding Date	Segment (SEG)	Periodicals only.
Carrier Route Sequencing Date	Segment (SEG)	Periodicals only.
<Mail Class> Sacking Criteria	Segment (SEG)	Non-Periodicals only.
Packaging Services Packaging Criteria	Segment (SEG)	Non-Periodicals only.
Container and Bundle Charge Method	Segment (SEG)	Periodicals only.
MPA ID for Container and Bundle Charge Method	Segment (SEG)	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 consolidated and billable statement is generated for each unique set of the listed fields within a job.

- Individual postage statements are generated for each unique Permit/USPS Pub number and each distinct Mailing Date populated in the Container Ship Date column in the .CSM file for versions 08-1 and 08-2 files or the Postage Statement Mailing Date column in the .CSM file for the version 09-1 file. The *PostalOne!* system consolidates postage statements across segments for an entire Mail.dat file.

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This applies to all files within a job that contain the same values for a postage statement: class, payment method, rate type, processing category, Customer Reference ID, postage statement mailing 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 CSM CAPS Customer Reference ID (08-1, 08-2)/Customer Reference ID (09-1) for the subset of the mailing identified by that ID.

In the Periodicals mailing class, the child statements are available on the Dashboard. For all classes of mail, the child statements are used to construct the Register.

Table 2-8. Key Postage Statement Consolidation Fields

Field	Record(s)
Job ID	(Multiple files)
Mailing Facility	(Multiple files)
Periodicals Issue Date	Component (CPT)
Periodicals Issue Number	Component (CPT)
Periodicals Volume Number	Component (CPT)
Container Status	Container Summary (CSM)
Customer Reference ID (previously known as CAPS reference ID)	Mailer Postage Account (MPA)
Federal Agency Cost Code	Mailer Postage Account (MPA)
Mail Owner's Lcl Permit Ref Num / Int'l Bill Num	Mailer Postage Account (MPA)
Mail Owner's Lcl Permit Ref Num / Int'l Bill Num – Type	Mailer Postage Account (MPA)
Permit ZIP Code + 4	Mailer Postage Account (MPA)
Postage Payment Method	Mailer Postage Account (MPA)
USPS Publication Number	Mailer Postage Account (MPA)
Rate Type	Mailpiece Unit (MPU)
Mail Piece Unit Class Component Class	Mailpiece Unit (MPU) or Component (CPT)
Processing Category	Mailpiece Unit (MPU) or Component (CPT)
Container and Bundle Charge Method	Segment (SEG)

After individual postage statements are create if applicable a Master Postage Statement (not Periodicals) is generated for each combination of various values the following fields.

Table 2-9. Key Master Postage Statement Consolidation Fields

Field	Record(s)
Job ID	(Multiple files)
Mailing Facility	(Multiple files)
Postage Statement Mailing Date (version 09-1)	Container Summary (CSM)
Container Ship Date (version 08-1 and 08-2)	Container Summary (CSM)
Automation Coding Date	Segment (SEG)
Carrier Route Coding Date	Segment (SEG)
Carrier Route Sequencing Date	Segment (SEG)
Processing Category	Mailpiece Unit (MPU) or Component (CPT)

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2.3.2 Permit Roles

Postage statements have three primary roles:

Permit Holder. This is the permit charged for the postage statement. For each mail piece unit, the *PostalOne!* System uses the MCR file to find the MPA ID. This is represented in the MPA file as 'Permit Number' or 'USPS Publication Number'. The 'Postage Payment Method', identifies the permit type of the listed 'Permit Number' in the Mail.dat file. For Periodicals mail, the permit holder must be the 'USPS Publication Number'. To qualify for Periodicals Nonprofit, Classroom or Science of Agriculture prices, the 'USPS Publication Number' record at the acceptance office must show this price is authorized. If not, the system generates an error message and will not accept the Mail.dat file.

Mailing Agent (Preparer). This identifies the organization that prepared the mailing and/or delivered it to the postal service for mailing. This information is linked to the user's login account, and is not represented in the Mail.dat file. The *PostalOne!* System looks at the User ID that submitted the file. The system looks at permits linked to the locations that User ID is also linked to. The system looks at the post office of mailing. The system considers finance number association of permits linked to locations to finance number of post office of Mailing. If the system finds more than one permit possibility, system takes first active (type PI) permit (could be any of the linked locations, not necessarily the one that submitted the file). For this reason data displayed in the Mailing Agent block may not be accurate and the user may not be able to fix it.

Org for Mailing is Prepared (Owner): This identifies the organization who owns the mail being sent. For each mail piece unit, the *PostalOne!* System uses the MCR file to find the MPA ID. The mail owner is represented in the MPA file as 'Mail Owner's Lcl Permit Num / Int'l Bill Num'. If this field is left blank, then the default in the postage statement is the same as the permit holder. The permit type for this permit number is 'Mail Owner's Lcl Permit Ref Num / Int'l Bill Num Type' in the Mail.dat file. For example, if a ghost permit is listed in Mail Owner's Lcl Permit Num / Int'l Bill Num, then position 98 will be listed as 'V' = Virtual. To qualify for the Nonprofit Standard mail price (in the MPU file Rate Type) the system checks if the 'Mail Owner's Lcl Permit Num / Int'l Bill Num' (or if blank the default 'Permit Number' of the permit holder) record in the *PostalOne!* System has a valid nonprofit authorization number assigned to it. If so, the system allows the Nonprofit Standard mail price. If not, the system generates an error message and will not accept the Mail.dat file.

For an example of these fields on a postage statement, see Figure 2-2. Postage Payment Roles.

Postage Summary

Permit Holder:	PAYER 1 COMMERCE ST A CITY, ST 12345-1234 Contact: JOHN DOE (123) 555-1234 jdoe@pxmer.com	Mailing Agent:	MAIL PREPARER 9 PUBLISHER ST A CITY, ST 12345-9876 Telephone: (123) 555-4321 Customer Number: 123456789	Org. For Mailing is Prepared:	MAIL OWNER 1 COMMERCE ST A CITY, ST 12345-1234 Telephone: (123) 555-1234
Permit Holder's Permit:	Permit Imprint 1	Mailing Agent's Permit:	Permit Imprint 999	Processing Category:	Letters
Post Office Of Mailing:	A CITY, ST 12344	Mailer Provided Mailing Date:	05/29/2008	Weight of Single Piece:	0.0183 lbs.
Total Pieces:	12,179 pcs.	Total Weight:	222.8757 lbs.	Total Postage:	$ 1,782.55
Sequencing Date:	05/20/2008	Address Matching Date - Automation:	05/23/2008	Address Matching Date - Carrier Route:	05/23/2008
No of Containers:	1" MM Trays:	2" MM Trays: 7	2" EMM Trays:	Flat Trays:	Sacks: Pallets: Other:
Comments:					
Container Grouping ID:					
Statement Certification Date:	05/29/2008				

Figure 2-2. Postage Payment Roles

All Mailer Postage Account (MPA) 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. 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

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complete an end-to-end transaction, it is necessary to have the Permit ZIP+4 information with *all* postage transactions.

2.3.3 Additional Postage

When postage affixed (precanceled stamp or meter) is used, the file must include a separate MPA record. This separate MPA record MUST be linked to a Permit Imprint account; Postage Payment Method must be a 'P'.

NOTE: An MLOCR mailing with Postage Payment Method (.mpa) values "G" (Government), "S" (Precanceled stamps), "C" (Metered - Correct), "L" (Metered – Lowest), or "M" (Metered – Neither) must have one Additional Postage MPA ID in the MPU / C Relationship (.mcr) record. Only one account is allowed for additional postage payment for this type of mailing, even if the mailing includes multiple statements. 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.

2.3.3.1 Presort & MLOCR Regular (2-pass) Files:

The MCR file links to the MPA record. The 'Primary MPA ID' of the MCR record maps to the 'MPA Unique Sequence ID' of the primary permit(s) in the MPA record. When there is additional postage, then the 'Additional Postage MPA ID' of the MCR record maps to the 'MPA Unique Sequence/Grouping ID' of the Permit Imprint in the MPA record set for additional postage in the Mail.dat file..

NOTE: An MLOCR mailing with Postage Payment Method (.mpa) values "G" (Government), "S" (Precanceled stamps), "C" (Metered - Correct), "L" (Metered – Lowest), or "M" (Metered – Neither) must have one Additional Postage MPA ID in the MPU / C Relationship (.mcr) record. Only one account is allowed for additional postage payment for this type of mailing, even if the mailing includes multiple statements. 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.

Table 2-10. Presort and MLOCR Regular ID Requirements

To Pay	MCR Record 1	MPA Record 1	MPA Record 2
Postage Statement Charges	Primary MPA ID	MPA Unique Sequence/Grouping ID	
Additional Postage Charges	Additional Postage MPA ID		MPA Unique Sequence/Grouping ID

2.3.3.2 MLOCR One-Pass Files:

The 'Primary MPA ID' maps to the 'MPA Unique Sequence ID' of the primary permit(s) in the MPA record. When there is additional postage, then the 'Additional Postage MPA ID' maps to the 'MPA Unique Sequence ID' of the Permit Imprint in the MPA record set for additional postage in the Mail.dat file. In addition, the Postage Adjustment MPA ID must be the same as the 'Additional Postage MPA ID'.

Table 2-11. MLOCR One-Pass ID Requirements

To Pay	MCR Record 1	MPA Record 1	MPA Record 2

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To Pay	MCR Record 1	MPA Record 1	MPA Record 2
Postage Statement Charges	Primary MPA ID	MPA Unique Sequence/Grouping ID	
Additional Postage Charges	Additional Postage MPA ID Postage Adjustment MPA ID		MPA Unique Sequence/Grouping ID

2.3.4 Non-Incidental Enclosures

In Mail.dat non-incidental enclosures are supported for First-Class Mail, Standard Mail, Bound Printed Matter and for Periodicals. In this case the enclosure is a separate postage statement from the mailpiece it was enclosed within and has a separate MCR record and MPA record. 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 the enclosure payment settings as shown in the table below:

Table 2-12. Enclosure Payment Settings

File	Field	Description
MPA	MPA – Unique Sequence/Grouping ID	Unique identifier for enclosure
MPA	Permit Number (if applicable)	Permit used to pay for the enclosure
MPA	USPS Publication Number (if applicable)	USPS Publication Number used to pay for the enclosure
MCR	Component ID	Component that is the enclosure
MCR	Primary MPA ID	Points to the MPA file
CPT	Component – Class**	For Periodicals with enclosures only.
CPT	Component – Rate Type**	For Periodicals with enclosures only.

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

2.4 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 C. 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. An attempt to transfer a file fails because of an "Invalid Facility ZIP+4" (version 08-1 or 08-2) or “Mail Facility ID” (CRID in version 09-1) 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 carriage return and line feed 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. 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

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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.

5. If files cannot be transferred due to an issue with the ZIP Code+4 or a permit, verify with the Postal Service that you have a permit, or in some cases 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. (A ghost permit is a record set up by the Postal Service in the *PostalOne!* database to designate parties on the postage statement that are not the permit holder. For example, the mail owner authorized for nonprofit Standard Mail.)

6. A Mail.dat job was submitted successfully; however, upon resending the file, the transfer fails because the job has already been submitted under that specific Job ID. When transferring Mail.dat files, once an original Mail.dat job was transferred successfully, you may only send subsequent updates to that job, unless the job is deleted. For details about updates, see Section 2.5, Sending Job Updates.

2.5 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 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. These scenarios 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 *PostalOne!* 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 2-13. 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	Piece Detail
*Container Quantity	Postage Adjustment
*Package Quantity	Piece Detail
Piece Detail	Intelligent Mail Range Record
Intelligent Mail Range Record	
Walk Sequence Record	

*Required files

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Following is a common update scenario to an original Mail.dat file: The mailer creates an ORIGINAL 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. This scenario is illustrated in Figure 2-3 below.

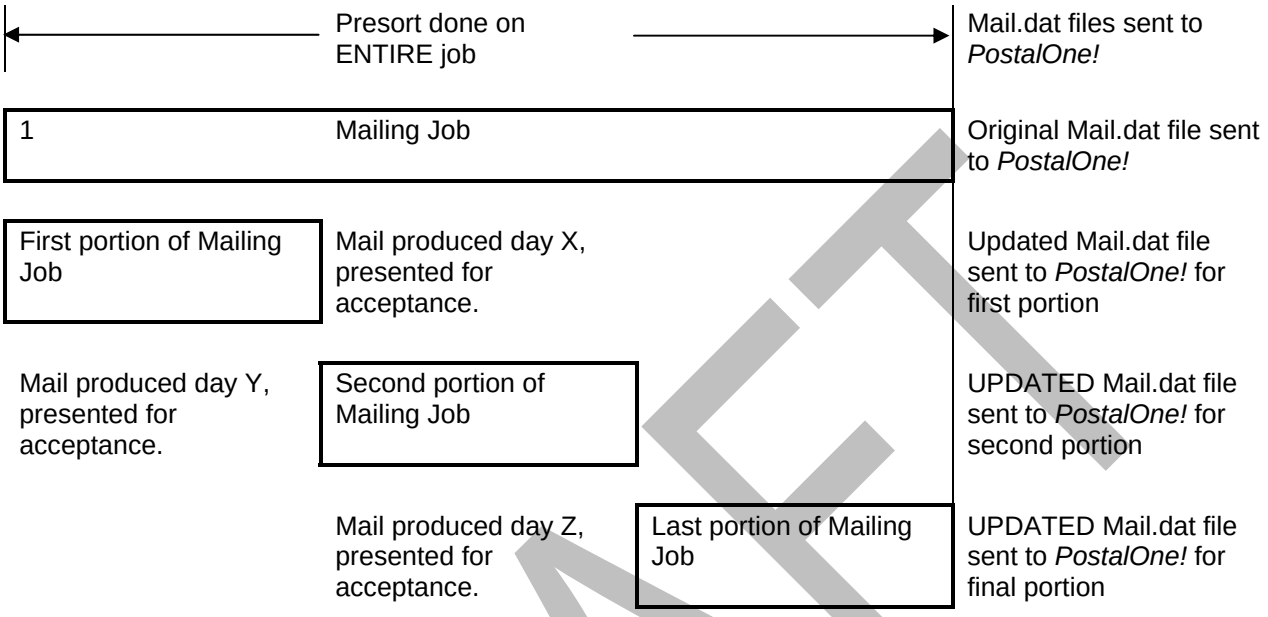

Figure 2-3. Sending Job Updates to the *PostalOne!* System

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 or required unless postage adjustments need to occur or the mailer needs to update transportation information for CSAs or recurring appointments.

2.5.1 Rules for Sending Container Status Updates

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

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

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, must reflect the appropriate status and have one of the following allowable values:

Table 2-14. Allowable CSM Container Status Values

Container Status	Allowable Next Container Status	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	Once the postage statement is finalized by the Postal Service only T

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Container Status	Allowable Next Container Status	Notes
		or C is allowed.
T	D, X, T, or C	
X	T	

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. The IM Barcode(s) for the containers, trays, and pieces of a deleted container cannot be used for the 45 days from the time the “D” status is sent for the container.

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

File transfers with the container status “R” generate postage statements with a status “UPD” (USPS Processing Due) displayed on the Dashboard. Postal clerks can only finalize (bill) UPD postage statements. If the statement should not be finalized cancel the job. Postage Statements should not be left open in the UPD status.

When the statement is finalized it will be in FIN or FPP status. If a statement for a Mail.dat job is in FIN or FPP status the containers in that Mail.dat job cannot be cancelled. After the postal clerk reverses the postage statement then the postage statement is in REV status and the containers may be cancelled. At this point there are three options

- Send an update ready-to-pay on the same Job ID. The container status "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.
- If your change cannot be sent as an update, delete the original Job ID and reuse the same Job ID.
- If Job deletion fails or there is a requirement for a new Job ID, submit a new Job ID. If there is a FAST appointment, provide the Reservation number, FAST Content ID, and Scheduled Induction Date in the Mail.dat Container Summary CSM file for the new Job ID.

To update transportation information, use the "T" value to update the FAST recurring appointment and CSA information and container barcode information in a file set of “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.

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.

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.

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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:

- The Segment File SEG Record Status Flag should contain a “U” for an update.
- The Mail Piece Unit File MPU Record Status Flag 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 if the file is deleted prior to the second attempt. If Job deletion fails or there is a requirement for a new Job ID, submit a new Job ID. If there is a FAST appointment, provide the Reservation number, FAST Content ID, and Scheduled Induction Date in the Mail.dat Container Summary CSM file for the new Job ID.

2.5.2 Rules for Sending Header Status Updates

The Delete Job 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.

For Mail.dat versions 08-1 and 08-2, a delete file is composed of a header file and a segment file. The segment file specifies the individual facility (using the Verification Facility ZIP+4 field) affected. Verification Facility ZIP+4 is contained in the segment file. The first one read is applied to the entire job.

For Mail.dat version 09-1, a delete file is composed of a header file and a segment file. The segment file specifies the individual facility (using the Mail Facility ID (CRID) field) affected. Only one Mail Facility ID is allowed in a Mail.dat Job ID.

The Change Job 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 only supports the "I", "O" and "U" flags.

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).

Replace Job Transactions

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

To use the *PostalOne!* system, mailers must use file/record level status flags for all Mail.dat files. The table below lists the file/record level status flags allowed by the system for each transaction type.

Table 2-15. 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.

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Mail.dat Transaction Type	File Level Status	Record Level Status	Required Files (Minimum)
'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

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. In May 2009, PDR or IMR file has to be present in the “Original” transaction for a full-service or mixed full-service and non full-service mailing.

- "Update" transactions – For all update transactions, the Header and the Segment files are required. All other files are optional. However if sending the Container Summary Record (CSM) that is not a sibling container then the Container Quantity (CQT) and Package Quantity Record (PQT) are required. In the case of Full-Service, if sending the Container Summary Record (CSM) if not a sibling container, the PDR (Piece Detail Record) and the IMR (Intelligent Mail Range) are also required.

- For entry level and zone optimization that occurs after sending the Mail.dat file with container status original to generate the qualification report, it is not possible to do a Container Quantity CQT insert. (Except sometimes the CQT insert works for Mail.dat version 8-2 Standard Mail job.) Coordinate with the acceptance office to arrange timing for the original submission after the entry level and zone optimization or cancel the original job and resend it. If there is a FAST appointment involved on the original job be sure to include the Container Summary fields Reservation number, FAST Content ID, and Scheduled Induction Date in the update job.

- "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 the version 08-1 and 08-2 Verification Facility ZIP+4s within the job or the version 09-1 Mailing facility ID 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. Any time a container is part of a deleted job, the IM barcodes (container or tray) cannot be reused for 45 days from the time the delete transaction was submitted.

2.6 Postage Statement Statuses

The following table lists the postage statement statuses and the expected action from the Postal Service unless otherwise stated.

Table 2-16. Postage Statement Statuses

Stage	Definition	Action
AVW	*Address verification* resulted in *warnings*.	Verify cost avoidance amounts and then finalize the postage statement.
CAN	A mailer *canceled* the postage statement.	None. View only.

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Stage	Definition	Action
CON	This statement is part of a *consolidated* postage statement and cannot be individually updated.	None. View only. Any actions must be performed on the statement that contains the consolidated statements.
ERR	A USPS clerk was unable to finalize a statement due to a system *error*.	None. View only.
EST	The postage is an *estimate* based on preliminary postage data, not an actual postage statement. This is only available for postage statements submitted by mailers using Mail.dat files.	Mailers must update the file to complete postage statement entry or cancel the mailing.
FAI	The postage statement *failed* verification.	Look up the statement on the Dashboard and enter the disposition of the failed statement, such as whether it was sent to rework, additional postage collected, and so on.
FIN	The postage statement has been *finalized*.	None. View only.
INC	Postage statement entry is *incomplete* - initial entry was interrupted.	Look up the statement on the Dashboard and complete it.
NAP	The statement is *not available* for *processing* by the system. This usually indicates a type of postage statement not supported.	None. View only.
PAS	The postage statement *passed* MERLIN verification, but was not finalized at the machine.	Finalize the postage statement.
PAV	The postage statement is *pending address verification*.	Finalize the postage statement. If necessary to finalize without waiting for verification, select the check box to skip address verification when entering verification results.
PEN	The postage statement is *pending* finalization.	Finalize the postage statement.
QMR	A postal employee has performed a *Quality Mail Review*. The QMR stage only appears on a verification receipts entered by postal employees and does not affect postage statements submitted electronically.	None. View only.
REV	A postal employee has *reversed* the postage statement transaction.	None. View only.
REW	A verification issue has been identified and the mailing has been returned to the mailer for correction or *rework*.	None. Mailing must be re-entered as a new postage statement once issues have been corrected.
UPD	A file has been received and a postage statement is available for processing (*USPS Processing* is *Due*).	If verification is required, look up the statement on the Dashboard, and initiate verification. If no verification is required, finalize the postage statement.

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3 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 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 customer transfers Mail.dat files to the *PostalOne!* system in one of four ways:

- The Transfer Applet client, available on the *PostalOne!* website, manually transfers Mail.dat 08-1 and 08-2 files to the *PostalOne!* File Upload Server.
- The new Mail.dat 09-1 *PostalOne!* client allows for manual transfers of Mail.dat 09-1 and beyond files.
- The Batch Processor application for Mail.dat 08-1 and 08-2, 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.
- The Batch Processor application for Mail.dat 09-1 and beyond, when scheduled, automatically transfers Mail.dat files to the *PostalOne!* File Upload Server using password protection and authorization against the USPS Customer Registration System.

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

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.

3.1.1 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 identified as required by the *PostalOne!* system 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.

- For 08-1 or 08-2 files, to increase the likelihood of files transferring successfully, use File Validator to verify 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 3.1.2, Validating Files.
- For 09-1 files, the *PostalOne!* system provides the option to only validate files and not upload to the server. This option can be used similar to the old File Validator.

After the mailing passes validation, you are ready to transfer it. For information on this, see Section 3.1.4, Performing the File Transfer.

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3.1.2 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 meets the recommendations listed in the table below:

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.

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, and then retry the transmission. For more information on modifying memory limits for manual jobs, see Section 3.1.5.

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 08-1 or 08-2 Mail.dat files:

Log on the test system. The Testing Environment for Mailers (TEM) has been set up for new participants. It is located at https://tem.uspspostalone.com. This tool was created to provide a safe environment for testing files and to help you learn about the *PostalOne!* system.

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

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.

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

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.

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.

Click **Validate File(s)** to begin the validation process. To change the validation.log file's name and location, by click **Validation Log File**. By default, the File Validator writes the results to `C:\Validation.log`.

> 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 3.1.3, *Validation Log Errors*.

Click **OK** to close the message.

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To validate your 09-1 Mail.dat files

1. Open the *PostalOne!* Mail.dat Client and sign in.

Click **Job Validation / Upload**.

Click **Add Jobs**.

Select the Mail.dat job(s) to validate from your file system.

Leave the **Just Validate Job(s)** option selected and click **Validate**.

To change the location of the Validation Log File, click **Settings**.

3.1.3 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 3.1.2, 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.

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

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

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

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 D. Error Messages.

3.1.4 Performing the File Transfer

Before transferring your jobs to the Postal Service, you should first validate your files. For more information, see Section 3.1.2, Validating Files.

To transfer job files manually:

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On the left menu bar, click **File Transfer**. A Security Warning message may open. 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, you cannot transfer files to the *PostalOne!* system. The File Transfer page displays the “All Folders” and “File Contents of” panes.

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.

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

Select the proper folder by clicking the folder name. The “File Contents of” pane on the right 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.

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.

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`.

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.

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.

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 for 08-1 or 08-2 files:

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 3.1.3, *Validation Log Errors*.

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.

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.

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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."

To view the status of a file's progress, click the file name in the File column. A message box displays error details.

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

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

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 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.

To check transferred job and file upload status for 09-1 files:

Click **Home**.

Search by entering one or more of the following:

- Date Range
- Job ID
- Mailing Facility IDs

Press **Submit**. Each mailing job submission is listed with the following information:

- Job ID
- File ID
- Mailing Facility ID
- Submission Date
- # of Files
- File Status
- Submission Type
- Submission Status
- Postage Statement Generation Indicator
- Qual Report Generation Indicator

To analyze each job submission in detail, click that job submission. The Job Validation / Upload Details screen will show the following information for the job submission:

- Error Location
- Submission Time
- File Size
- Message Type
- Record ID
- Field Name
- Field Position
- Message Description

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3.1.5 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:

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

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

Increase memory limits. For Java plug-in versions 1.4.2_x, follow the steps in Section 3.1.5.3. For all later Java plug-in versions, follow the steps in Section 3.1.5.4.

3.1.5.1 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 3.1.5.3 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 3.1.5.4.

3.1.5.2 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.

3.1.5.3 Increasing Memory Limits for Java 1.4.2_x

To increase the memory limit for Java version 1.4.2_x:

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

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

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.

Click the **Advanced** tab.

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

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.

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

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Retry the transfer.

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.

3.1.5.4 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:

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

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

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.

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

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

Click **OK**.

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

Retry the transfer.

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 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 A. Status Receipt File Layout. Only status receipt files are available.

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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 4.1.9.

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 Mail.dat 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 Mail.dat 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. Digital certicates are not necessary when submitting 09-1 files; digital certificates are only required for 08-1 and 08-2 files. For more information, see Section 4.1.6, Digital Certificates/Security.

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4.1.3 Network

When submitting 08-1 or 08-2 files, 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.

When submitting 09-1 files, the Batch Processor software uses the standard port numbers (see Chapter 5).

4.1.4 Downloading and Configuring the Windows Batch Processor (08-1, 08-2)

To download and configure the Windows Batch Processor for Mail.dat versions 08-1and 08-2:

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`.

Log on to the *PostalOne!* system.

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

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
- **xercesImpl.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

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

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`.

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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.

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.

The default hostName connects to the Production environment.

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.

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Parameter Name	Valid Values	Default	Description
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 status receipt file. The *PostalOne!* system appends a three-digit number to the name, which is incremented with each new receipt.
PostageStatementReceiptFilenam e	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.

** Postage statement receipt files are not supported; these fields are reserved for future use.

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 (08-1, 08-2)

To download and configure the Windows Batch Processor for Mail.dat versions 08-1and 08-2:

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

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

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

Use tar to extract the files into the installation directory. 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
- **xercesImpl.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

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

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.

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.

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.

The default hostName connects to the Production environment.

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 use the Batch Processor for 08-1 and 08-2 files on a UNIX workstation are provided in the table below.

Table 4-3. Mail.dat 08-1 and 08-2 Postal1.ini Parameters for UNIX

Parameter Name	Valid Values	Default	Description
MaximumOpenThreads	1-50	4	Maximum threads that can be open at one time

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Parameter Name	Valid Values	Default	Description
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.

** Postage statement receipt files are not supported; these fields are reserved for future use.

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 (08-1, 08-2)

The *PostalOne!* system uses the Secure Sockets Layer (SSL) version 3.0 to transfer files securely over the Internet for Mail.dat 08-1 and 08-2 batch processing. 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:

Create a Keystore

Create a Certificate Signing Request

Submit your CSR and procure a Digital Certificate

Add the Signed Certificate to your Keystore

Enable Encryption on the Batch Processor Client

Test your Signed Certificate

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)

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- 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.

  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 (Mail.dat 08-1 and 08-2 only)

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.

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4.1.6.3 Submitting Your Certificate Signing Request (Mail.dat 08-1 and 08-2 only)

You must now submit your CSR for digital signing, i.e., procure a digital certificate. 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.

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

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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

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.

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

4.1.7 Dual Configurations (Multiple Mail.dat Versions)

Users can install and operate the 08-1/08-2 batch processor software and the 09-1 batch processor software on the same workstation. To do so, set the following directory locations for both versions of the software:

- Repository Location - Location of Mail.dat files waiting to be processed
- Successful Repository Location - Location where the Mail.dat files are moved after they are successfully processed.
- Unsuccessful Repository Location - Location where the Mail.dat files are moved if the processing fails.
- Receipt File Repository Location - Location where the receipt files are written by the application.

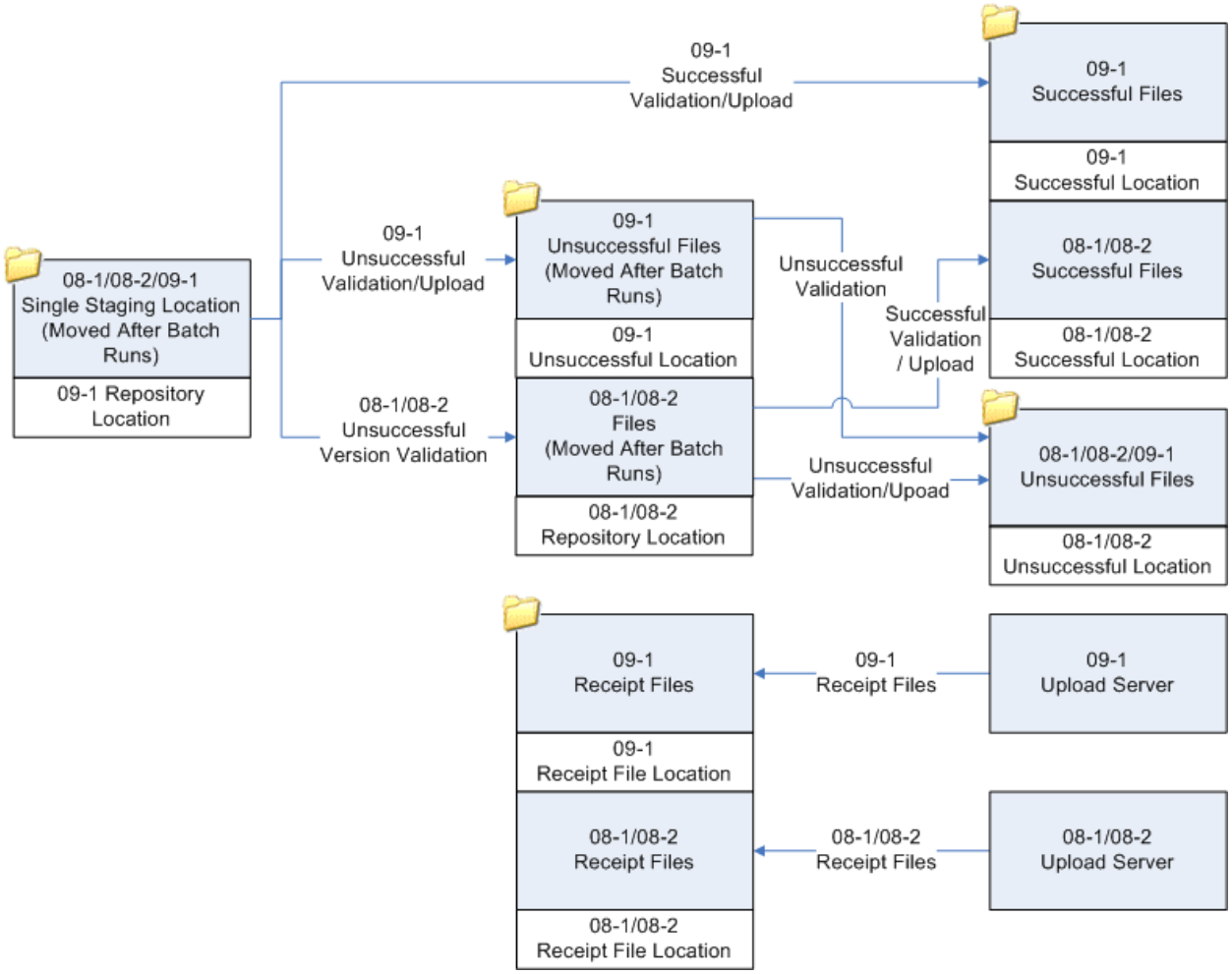

Figure 4-1. Sample Batch Processor Configuration for All File Versions

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4.1.8 Scheduling Batch Jobs (Running the Batch Processor)

(For Mail.dat version 09-1 see Chapter 5. *PostalOne!* Mail.dat Client Installation)

To have your Mail.dat version 08-1 and 08-2 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 Mail.dat files into the repository directory 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).

4.1.9 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.

(For Mail.dat version 09-1 see Chapter 5. *PostalOne!* Mail.dat Client Installation)

When the users upload Mail.dat jobs versions 08-1 and 08-2 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.

4.1.10 Testing Batch Processor Installation

The batch processor client software for Mail.dat versions 08-1 and 08-2 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: Ensure security certificate setup is complete prior to running.

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

4.1.11 Configuring Receipt File Behavior

(For Mail.dat version 09-1 see Chapter 5. *PostalOne!* Mail.dat Client Installation)

When using the Batch Processor for Mail.dat versions 08-1 and 08-2, 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 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

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receipt file and associated record types and format, see Appendix A. Status Receipt File Layout. Status receipt files are the only supported receipt files.

Since receipt files are automatically sent, configuration is optional. To customize receipt file location, type, and delimiter, edit the postal1.ini file and set:

- ReceiptFileRepositoryLocation – Determines the location of receipt files
- StatusReceiptFileName – Determines the name of the status receipt file. The default is “receipt”. The *PostalOne!* system appends a three-digit number to the name, which is incremented with each new receipt. (i.e. receipt becomes receipt001 and receipt002).
- Delimiter – Delimits (marks) all receipt file fields so the file can be read. Can be any ASCII character, but the default is a comma (,).
- StatusReceiptType - Determines the format of the status receipt file, either XML or character delimited text file (DEL). The default is DEL.

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 D. Error Messages.

5 *PostalOne!* Mail.dat Client Software (09-1)

5.1 Installation and Configuration

5.1.1 Overview of the *PostalOne!* Mail.dat Client

The *PostalOne!* Mail.dat Client is used to validate and upload version 09-1 Mail.dat files to the *PostalOne!* system. By doing most of the validation at the mailer’s site, it can reduce the workload of the servers and improve end-to-end processing time. It will also give mailers an earlier indication of a serious problem with their mail.dat files so they can be corrected before uploading. The Windows version of the *PostalOne!* Mail.dat Client has a user interface that allows mailers to select files for validation and uploading as well as viewing validation errors and file statuses. In Windows and Solaris UNIX, it can also be operated in batch mode to provide automated validation and uploading as well as status receipt polling. Unlike the previous batch upload program, the *PostalOne!* Mail.dat Client does not need a SSL Certificate to do batch processing.

On November 15, 2009 the Mail.dat client used for the Mail.dat version 08-2 files and described in part 4 of this technical specification will no longer be available. Instead, use the Mail.dat client described in this appendix.

Currently, there are separate versions of the program for the TEM and Production Environments. The letters after the program version on the title bar will indicate which environment the *PostalOne!* Mail.dat Client is communicating with. Mailers can install multiple versions of the *PostalOne!* Mail.dat Client on a computer to support multiple environments. Care should be taken to process production jobs in the Production environment.

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Participants must successfully transfer version 09-1 Mail.dat files to the Testing Environment for Mailers (TEM) *PostalOne!* System before transferring version 09-1 Mail.dat files to the Production *PostalOne!* System.

5.1.2 System Requirements

Operating Systems Supported:

- Microsoft Windows 2000 Professional, Windows XP, Microsoft Server 2000
- Sun Solaris x 86: 32 bit versions 8, 9 or 10
- Sun Microsystems Java 2 Runtime Environment, Standard Edition or Java 2 SDK, Standard Edition, versions 1.5 or greater (http://java.sun.com/j2se/) – this is supplied in the installation and the batch files that invoke the program will set search paths to the supplied version.

Internet Requirements: a Fast continuous connection to the Internet is required with port 443 available. The faster the upload speed, the faster the data will reach *PostalOne!*

Table 5- 1. Minimum Memory Requirements (09-1)

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

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

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

Table 5- 2. Requirements for Optimum Performance

Mail.dat Total File Size	Recommended Total Physical RAM	Recommended Available Memory	Recommended JVM Settings
0-25 MB	> 1GB	512 MB	-Xms512m -Xmx512m -XX:NewSize=256m (1) -XX:MaxNewSize=256m (1)
25-50 MB	> 2GB	1024 MB	-Xms1024m -Xmx1024m -XX:NewSize=512m (1) -XX:MaxNewSize=512m (1)
> 50 MB	> 3GB	2048 MB	-Xms2048m -Xmx2048m -XX:NewSize=1024m (1) -XX:MaxNewSize=1024m (1)

(1) Sun hardware only using Sun Hotspot JVM only

Please note changes in JVM Settings for optimal performance. Windows users can check available memory in the "Performance" tab of Task Manager. See Command Line Options in Table 4 for usage examples.

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5.1.3 Performance Considerations

The speed of the validation process will depend on the amount of available system memory (not disk space), CPU speed and CPU type. If you are using separate instances of the *PostalOne!* Mail.dat Client to concurrently validate multiple files, each instance (in Windows) can use up to 2 GB of RAM and CPU count may impact performance as well. The speed of the upload process will depend on the upload speed of your Internet connection. Many Internet service providers provide much faster download speeds than upload speeds and it is the upload speed that counts. If you need to improve validation speeds, you can upgrade your computer. If you need to improve file transfer speeds, you can upgrade your Internet connection.

This program can also be run on multiple workstations at a mailer's site, but each workstation must have its own log file.

5.1.4 *PostalOne!* Mail.dat Client Memory Settings

The PostalOne! Mail.dat Client Application is written in Java and runs on the Java Virtual Machine, which is a program that runs on several operating systems including Microsoft Windows, Solaris, MacOS, and Linux. The Java Virtual Machine is allocated a chunk of memory by the host operating system.

Memory allocated to Java is used mostly for "heap," which can be thought of as scratch space, where variables (copies of data) are temporarily held while work is done on them. If there is not enough memory available to the application, such as when processing a very large job with a lot of records, the program may run very slowly, and could run out of memory before completing validation of your files. If Java runs out of memory, the application will halt in the middle of whatever it's doing and die. If this happens, you need to try to allocate more memory to the application and attempt to validate your job all over again.

The PostalOne! Mail.dat Client Application ships with a default heap setting of 512 megabytes. This amount of memory should be sufficient for most small-to-medium size Mail.dat jobs processed using the Mail.dat client in GUI mode. However, larger jobs can require more memory. Unfortunately, there is no hard and fast rule of thumb for determining how much memory to allocate to process a particular job - it all depends.

5.1.5 How Much Memory Should be Allocated

If you have two gigabytes or more of physical RAM in your workstation, and aren't running many other applications, you should be able to allocate a full gigabyte to the Mail.dat Client. If you have only one gigabyte of RAM, you probably won't be able to allocate more than the default of 512 megabytes.

The amount of memory you can allocate to Java is limited by the amount of available memory on your PC and by the architecture of your hardware. Most desktop PCs use a 32 bit architecture, which means that the size of a memory address is 32 bits. This means that each application running on your computer could theoretically address up to four gigabytes (two to the power of 32) of memory, with each memory location containing one byte. However, other factors limit this to a much smaller amount of memory (the operating system itself, as well as resources needed by the Java virtual machine). This means that the maximum you could reasonably allocate to Mail.dat client on a standard (32-bit) PC is one and a half gigabytes (`-Xmx1536m`). Some computers accommodate a size of a memory address that is 64 bits. In this case there is the option to use the 64 bit memory. The instructions for this are in the section: Mail.dat 09-1Client 64 Bit Mode.

It's best to try to allocate only as much memory as you will need, to allow for a little "breathing room" on your workstation. If you regularly run large data sets and have at least two gigabytes of RAM, try allocating one gigabyte to the application and only increase it to one and a half if you find that a gigabyte isn't sufficient.

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If you're able to allocate a gigabyte (and doing so enables your large jobs to be processed), but your machine acts sluggish, you might try scaling back your heap allocation to 768 megabytes (the setting for this would be `-Xmx768m`).

On the other hand, if a gigabyte and a half still isn't enough, and you're running the application in GUI mode, you probably should be running the application in batch mode, which uses memory more efficiently (the user-friendly interface eats up a fair amount of memory).

5.1.6 How to Allocate More Memory

To allocate more memory to the Java virtual machine, you need to pass it two parameters - the initial heap size (-Xms) and the maximum heap size (-Xmx). This is done by editing the .bat file that you use to launch the application, which may be done using any text editor such as Notepad, Textpad, Notepad++, and so forth. Do *not* use Microsoft Word or any other word processor – use an editor designed for editing plain text.

The easiest way to go about this is to use one of the preset memory configurations defined in the .bat file.

1. First, we'll disable the default memory settings. Open the .bat file and find the line that starts with

```
SET MEMALLOC= -Xms64m -Xmx512m
```

2. Change that line to read

```
REM  SET MEMALLOC= -Xms64m -Xmx512m
```

3. Next, we'll enable a somewhat larger memory configuration: find the line that reads

```
REM SET MEMALLOC= -Xms512m -Xmx1024m
```

4. Delete the 'REM ' so that the line now reads:

```
SET MEMALLOC= -Xms512m -Xmx1024m
```

5. Now save the .bat file (**File**>**Save**), close the text editor, and try running the application again.

5.1.7 Troubleshooting Memory Allocation

If the Mail.dat client still runs out of memory after setting your maximum heap size, double-check your settings.

A common mistake is to introduce spaces where there shouldn't be spaces. Another one is leaving off the memory unit indicator (`m` or `M` for megabyte, `g` or `G` for gigabyte), or using an incorrect indicator.

Examples of incorrect settings:

Example	Problem	Corrected Version
`-Xmx768`	missing memory unit indicator	should read `-Xmx768m`
`-Xmx 768m`	extra space	should read `-Xmx768m`
`-Xmx768 m`	extra space	should read `-Xmx768m`
`-Xmx=1024m`	includes an equals	should read `-Xmx1024m`

Other common errors include

- Changing both initial and maximum heap size so that initial is greater than maximum heap size

  -Xms1024m -Xmx512m *WRONG!*

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- Not including both parameters; you must specify both the initial heap size (`-Xms`) and the maximum heap size (`-Xmx`).

- Heap size is larger than your computer's physical memory or larger than the maximum addressible space (1.5 gigabytes on most PC's) e.g.

  -Xmx1024g *WRONG!*

- Incorrect memory unit (again, use `m` or `M` for megabyte, `g` or `G` for gigabyte):

  -Xmx768mb *WRONG!*

- Value is not expressed as a whole number. For example,

  -Xmx1.5g *WRONG!*

5.1.8 Sources for Information on Memory Allocation

http://www.javaworld.com/javaworld/jw-06-1996/jw-06-vm.html

http://www.informix-zone.com/node/46

http://javahowto.blogspot.com/2006/06/6-common-errors-in-setting-java-heap.html

5.1.9 Mail.dat 09-1Client 64 Bit Mode

If desired, the Mail.dat 09-1 client software can be configured to run in 64 bit mode with the current 32 bit installation packages as follows:

1. Edit the shell script used to invoke the Mail.dat client, modifying the JAVA_HOME environment variable to point to a 64-bit JRE installation e.g.

SET JAVA_HOME=.\jre1.5.0_07

becomes

SET JAVA_HOME=c:\java\jre1.6_0_12_x64

2. Increase memory allocation settings by approximately 50%. For instance, if you normally run the Mail.dat client app on a 32-bit machine with a minimum heap size of 1G and a maximum of 1.5G, you'll want to run it on 64-bit hardware with a minimum heap size of 1.5G and a maximum of 3G. However, it's impossible to calculate how much additional RAM may be needed (it depends on the nature of the Mail.dat job files being processed), so be prepared to allocate more If necessary. Please refer to the How To Allocate Memory document, attached.

In addition, if running the Mail.dat client on Solaris:

Edit the shell script used to invoke the Mail.dat client, adding the -d64 option to the line that actually launches the app. For instance

$JAVA_HOME/bin/java -server -Xms2048m -Xmx2048m -XX:NewRatio=2 -XX:NewSize=1024m -XX:MaxNewSize=1024m

-classpath $CLASSPATH gov.usps.mdr.client.controller.CmdController uploadMode

becomes

$JAVA_HOME/bin/java -server -d64 -Xms2048m -Xmx2048m -XX:NewRatio=2 -XX:NewSize=1024m -XX:MaxNewSize=1024m

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-classpath $CLASSPATH gov.usps.mdr.client.controller.CmdController uploadMode

5.1.10 Supporting Multiple *PostalOne!* Environments

Many mailers may need to work with both *PostalOne!* test (Test Environment for Mailers TEM) and production environments. Separate installations of the *PostalOne!* Mail.dat Client will be needed for each *PostalOne!* environment. It is important to keep this in mind when performing the following installation procedures and for installing updates. You want to keep them in separate folders. The title bar at the top of the program will indicate the *PostalOne!*Environment and Version being supported by that installation of the program. Look for a “and a “PROD” suffix to show that installation is connected to the production environment.

5.1.11 Installation (Windows And Solaris UNIX)

The *PostalOne!* Mail.dat Client is completely contained in a zip file that can be unzipped into a program folder on a workstation hard drive.

1. Create an install directory where the batch processor will be located.

Example: `C:\postal1`

NOTE: No space should exist in the directory path.

2. Log onto either the production or TEM PostalOne! system, depending on which environment you want to work with.

   On the left menu bar, click on “Electronic Data Exchange (PostalOne!) in the Mail and Transport section

3. Select Electronic Data Exchange on the left side of the screen.

4. You will now see download links for the Windows and Solaris versions of the “Client Application” under the 09-1 Mail.dat heading.

5. Click on the link to download the version you wish. If you are downloading the Mail.dat Client Application for the production environment and already have it installed for the TEM environment, be sure to save and extract into separate folders for each environment.

Extract the files from the archive using PKzip, WinZip, Windows or any Zip file extraction program. If you see an option to preserve the directory structure of the ZIP file, please select. (This is automatically done by most extraction programs)

The contents of the install directory should now contain the following sub-folders:

- Installation folder: contains batch files for executing the program
- Program folder: will contain batch files (Windows) or shell scripts (UNIX) to execute the *PostalOne!* Mail.dat Client and supplied utilities and the following subfolders:
  - Subfolder: jre 1.5.0_07 - Java Runtime Environment (Windows only – Unix users must supply their own Java Runtime Environment. To link to the JRE, run setup_jre_link.sh shell file.)
  - Subfolder: lib - *PostalOne!* Mail.dat Client program files
  - Subfolder: Config – includes mdrsettings.conf file which contains most settings.

Create a repository directory where the Mail.dat files are to be collected.

Example: `C:\postal1\data`

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Create a directory where the batch processor can place successful Mail.dat transmissions.

Example: `C:\postal1\successful`

Create a directory where the batch processor can place unsuccessful Mail.dat transmissions.

Example: `C:\postal1\unsuccessful`

Create a directory where the batch processor can place status receipt files.

Example: `C:\ postal1\receiptfile`

Once the installation file is unzipped, users would invoke the program by calling the “run-mdclient.bat” (Windows) or the run-mdclient.sh shell file (UNIX). It is recommended that Windows users create a desktop shortcut to that file to make access easy for the user.

Windows users can start the *PostalOne!* Mail.dat Client to do program setup. UNIX users would manually configure the mdrsettings.conf file with the appropriate values as described in the UNIX setup section below.

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5.1.12 Program Setup For Windows Users

When you start the *PostalOne!* Desktop, you will first need to log in. You can enter your *PostalOne!* login and password in the "Existing Users" section of the Sign In screen:

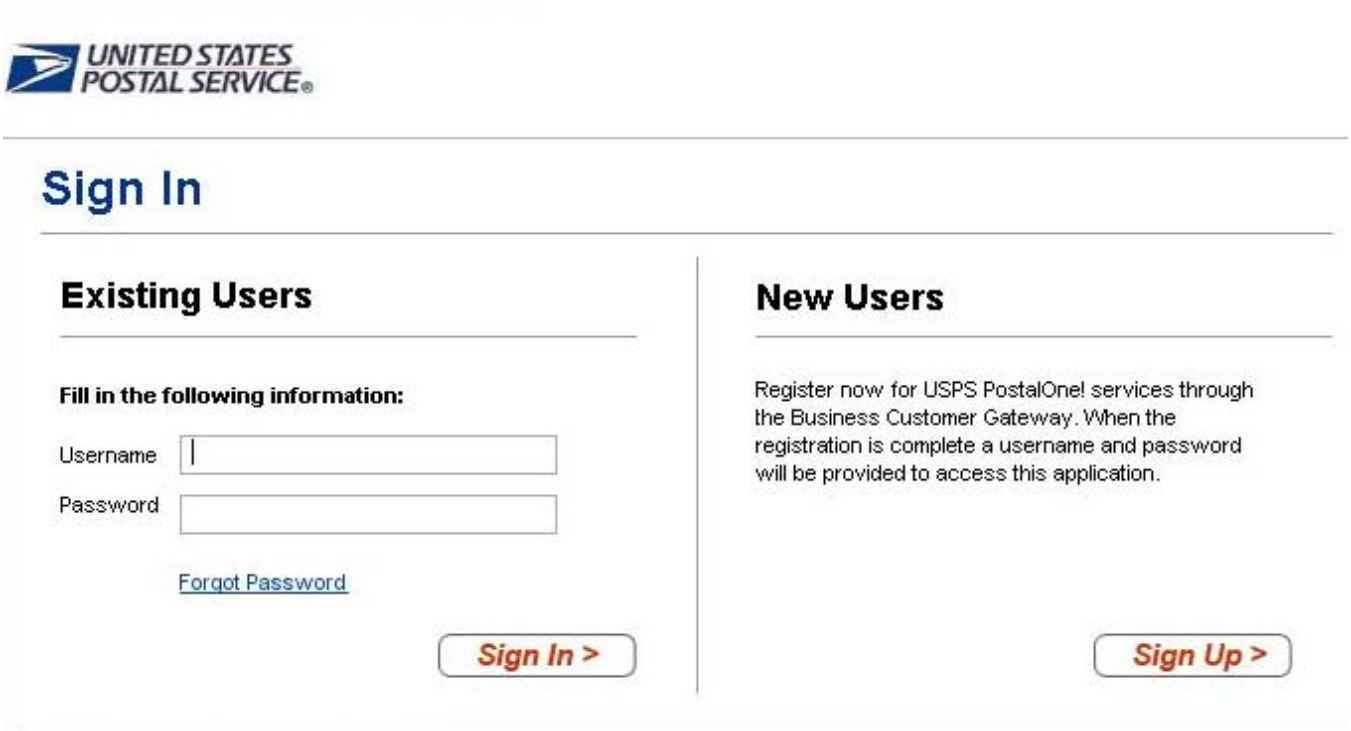

Figure 5-1. *PostalOne!* Mail.dat Client Sign In Screen

After you press the Sign In button you will be taken to the main screen of the *PostalOne!* Mail.dat Client:

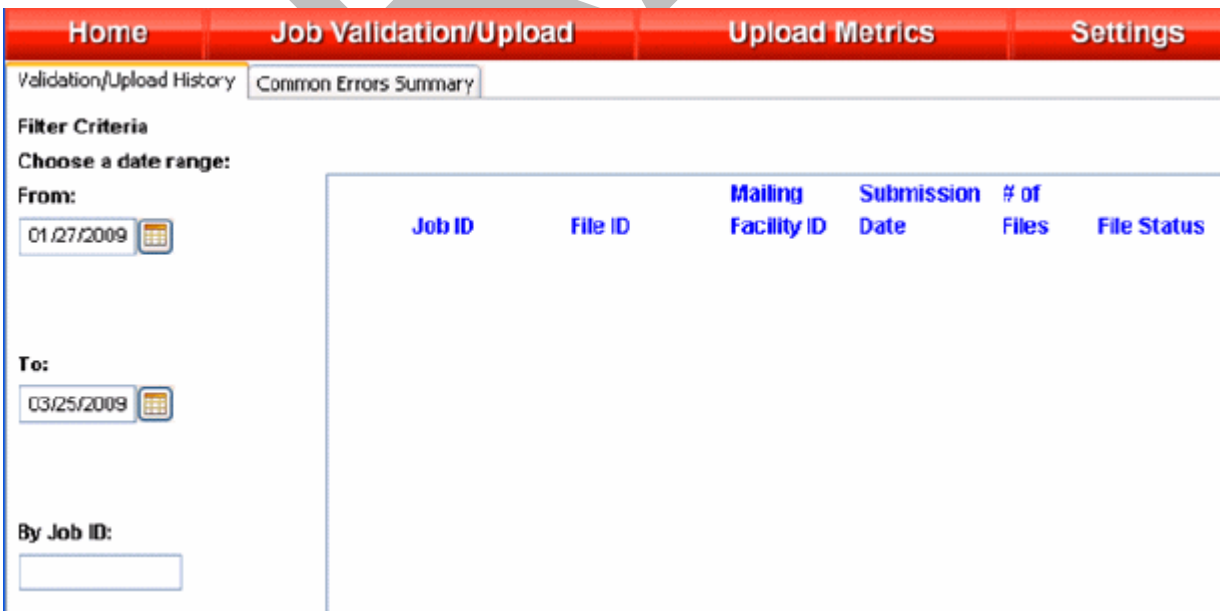

Figure 5-2. *PostalOne!* Mail.dat Client Main Screen

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When you start using the program to validate and upload Mail.dat files, you will see a list of all such files on this screen. The first thing you must do is to select the “Settings” option on the menu bar at the top of the screen.

General Settings Tab:

If you are using a proxy server, enter the address and port number that is being used. Next specify a folder for your log file that will list all the mail.dat files validated and uploaded and display their statuses. If you are planning to install the *PostalOne!* Mail.dat Client on multiple computers, this should be a local folder or a folder on your network that only this workstation will access. You should not use a shared folder for the log file. You can press the Browse Button to select a folder. Finally, select your time zone with the pull-down. If you do not wish to setup Batch Mode operation or Receipt File options, press the OK button to you’re your settings.

Figure 5-3 - *PostalOne!* Mail.dat Client Settings Screen

5.1.13 Program Updates

From time to time updates to the *PostalOne!* Mail.dat Client may be available. It is important to remember that the version of the Mail.dat Client that is used for each *PostalOne!* environment may be different. Users can download new versions and re-install according to the above instructions but no additional setup will usually be needed.

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5.2 Batch Processing

5.2.1 Batch Mode

The *PostalOne!* Mail.dat Client can be used to validate and upload Mail.dat files either using its user interface or an unattended batch mode. Batch mode also makes it possible to receive Status Receipt files. These provide information about which stage of the *PostalOne!* process each Mail.dat file is in.

PostalOne! Mail.dat Client can be used two ways:

- One-time validatation and upload of all mail.dat files in a specified folder. The RunBatchUpload batch file or script file will do this when run by another program such a Commercial Mail.dat manipulation program or a scheduler. This is comparable to how the previous batch upload program worked. Command line options even allow specific Mail.dat files to be specified for validation and upload.

- Automated Batch Processing - will automatically validate and upload any mail.dat files that are placed in the jobs repository folder at user-specified intervals. The Run Time and Sleep time settings must be set to do automated batch processing. There can only be one instance of the PostalOne! Mail.dat Client Application doing automated validation and upload at any one time. Also, if large Mail.dat files are being transferred to the Jobs Repository Folder for processing, it is advised to zip them before transferring them or transfer the HDR files last. This way it will not be possible for the program to start validation of an incomplete set of Mail.dat files.

- In all cases, mail.dat files will be moved from an “input” folder to one of three “output” folders, one for files that successfully validate, another for files that fail validation and another that are rejected prior to validation. Files are placed in the rejected folder if there are files that are not listed in the .hdr file, files that are not recognized as standard Mail.dat files (.hdr, .seg, .seg, etc) or files that are identified as a non-supported Mail.dat spec (e.g. 8-2)

The *PostalOne!* Mail.dat Client can also check for and download new receipt files, either while uploading and validating Mail.dat files or in as separate process (RunReceiptPoller batch or script file).

Mail.dat files processed in batch mode can only be validated and uploaded. There is no “validate only” option like there is with the user interface. Upon successful validation, the batch processor immediately uploads the Mail.dat file. If there is more than one Mail.dat file to validate and upload, the next file will begin validation even while the first is being uploaded. If a Mail.dat file fails validation, the user interface can be used to view validation error logs, just as if the validation was done using the user interface.

5.2.2 Receipt Polling

When files are uploaded in batch mode, the *PostalOne!* system can return Status Receipt files that can be extremely useful to the mailer. Unlike the batch program used for prior Mail.dat releases, for 09-1 and later releases of Mail.dat receipt polling does not take place automatically after Mail.dat files are uploaded. Users can use a command line option to download receipts after upload. It is better to use a separate instance of the PostalOne! Mail.dat Client Application in batch mode to do automated, continuous polling so that receipt data can be available close to real-time without interference from validation and upload activities. These receipt files will indicate the status of the Mail.dat file that was uploaded based on the following events:

- Validation Failure – at either the server or using the *PostalOne!* Mail.dat Client

- File Transfer

- Database Loaded

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- USPS MPU Edit
- Postage Statement(s) Generated
- Postage Statement(s) Canceled
- Postage Statement(s) Finalized /Accepted
- Postage Statement (s) Reversed

These statuses can be very useful to inform the mailer of what is happening to their submitted Mail.dat files. The automated return of this data combined with its automated use by mailer applications can provide important alerts to different parties that have an interest in the outcome of a Mail.dat submission.

For example if you submitted an update that included “Ready to Pay” containers, it would be very useful to know if a postage statement was actually created. It would also be useful to know that the USPS finalized it since you will no longer be able to cancel it.

NOTE: Receipts are not currently being generated for USPS originated events including USPS MPU Edit and Postage Statement Reversal.

5.2.3 Status Receipt File Naming

Status Receipt files are available in either XML or flat file formats. The current naming convention is a root file name specified in the MDRSETTINGS.CONF file with a 3 digit file extension that increments with each receipt. When the extension reaches 999, it will restart at 001. These files are placed in a receipt folder also specified in MDRSETTINGS.CONF.

Warning: Mailers using this naming method should clean out the receipt files out of their receipt download folder frequently. Receipts will stop downloading if a file with the same name already exists in that download folder. Mailers can match the receipt to the Mail.dat file based on the Job ID in the file.

This version of the *PostalOne!* Mail.dat Client offers a new file naming option. This new naming convention will be triggered automatically if the Receipt File Name in MDRSETTINGS.CONF is blank. The file name would be “status_receipt_job-id_HDR-historical-sequence-no_creation-date/timestamp”. The extension would be either .xml or .txt depending on the format. This format allows the mailer to match up the receipt not only to the job-id but also to the Header Historical Sequence Number which must be unique for each submission for that Job ID. If the mailer sent an original file and three updates, there would be four different Header Historical Sequence numbers submitted. Learn more about these naming options and token values in the Receipt Polling Configuration section below.

5.2.4 Setting Up the *PostalOne!* Windows Mail.dat Client to Work in Batch Mode

No matter which batch “mode” you use, the login, password and folder structure that will be used must be configured in the *PostalOne!* Mail.dat Client. To do this:

6. Start the *PostalOne!* Mail.dat Client

Click on the “Settings” option on the menu bar

In the “General” tab do the following:

If you must work through a proxy server, enter the proxy server address and port number

Select a folder to place your log file in. This log file is a list of all Mail.dat files that have been processed for validation and/or upload.

Select your time zone from the pull down.

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Click on the “Batch Configuration” tab

Enter the *PostalOne!* user name and password that will be used to transfer validated files. This information allows the *PostalOne!* Mail.dat Client to upload files in batch mode without the SSL Security Certificate that had previously been required on the original Batch Upload program.

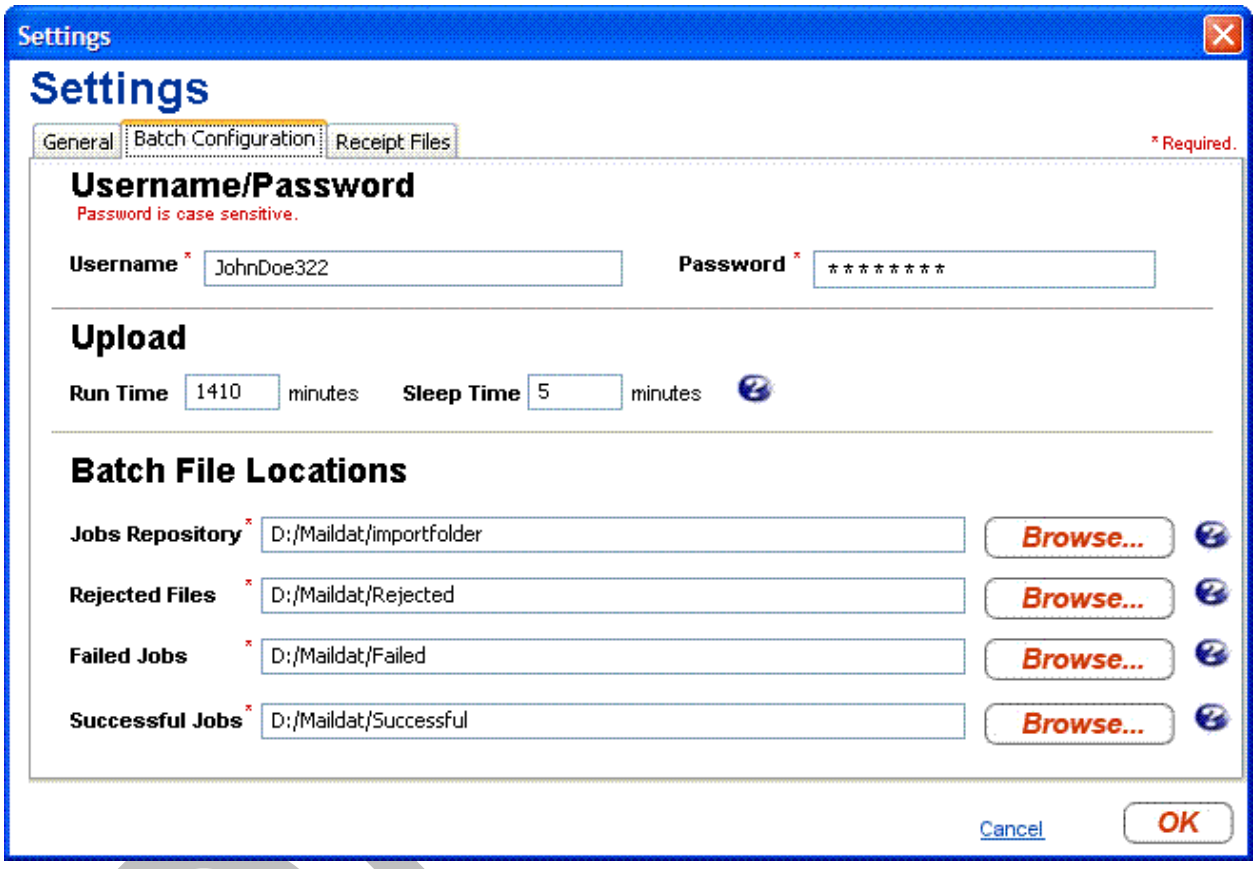

Figure 5-4 - *PostalOne!* Mail.dat Client Batch Settings Screen

This information will be populated in the MDRSETTINGS.CONF file that is in the CONFIG sub-folder under the program folder where the *PostalOne!* Mail.dat Client is installed. The password and login information will be encrypted.

You can edit this encrypted information outside of the *PostalOne!* Mail.dat Client Setup Screen by invoking the RUN-CLIENT_CREDENTIALS.BAT batch file in the *PostalOne!* Mail.dat Client program folder. This program will prompt you for a new login name and password then encrypt it in the MDRSETTINGS.CONF file.

UPLOAD Settings:

If you are planning to do automated batch processing, you must populate these upload settings. The Run Time specifies the number of minutes the program will run. 1410 minutes represents 23.5 hours. After that time the program will automatically terminate. You can execute the scheduler every 24 hours and it would process Mail.dat files all but 30 minutes per day leaving time for system maintenance or backup. The Sleep Time indicates the interval that the program will be checking for new Mail.dat files. It should not be set to less than every 5 minutes.

Batch File Locations:

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Select the “Job Repository” folder which will hold the Mail.dat files you wish to validate and/or upload. If you are doing automated batch processing, this folder will act as a “hot folder”.

Select the folders where these files will be moved based on the outcome of the validation

- Choose a folder for files that fail validation
- Choose another folder for files that validate successfully
- Choose a folder for files that can not be validated at all (rejected files)

5.2.5 Receipt Polling Configuration

5.2.5.1 Configuration and Setup

It is recommended that mailers who wish to use Status Receipt files schedule a separate instance of the *PostalOne!* Mail.dat Client to poll receipts. Automated polling can be implemented by populating the Receipt Run Time and Sleep Time settings.

Windows users would and a sleep time of 30 minutes (will retrieve receipt data every 30 minutes).

In the Receipt Files tab populate the following fields

- Receipts Repository – select the folder to which you want to save your receipt files to>
- Receipt Format – choose XML or Delimited
- Delimiter - If you selected the Delimited format, select what character you wish to use for a delimiter. You can also enter your own delimiter if you select “other”.
- Receipt File Name - You can leave blank for the default format or populate it with a naming convention you wish to use that includes “tokens” to represent different data elements. “Tokens” can be used to define a unique file name. These tokens are surrounded by brackets “{}”. The following substitution tokens are recognized in the receipt filename:

  {0} The current date (YYYY_MM_DD)
  {1} The current time (HH_MM_SS_SSS)
  {2} The job ID
  {3} The header historical sequence number
  {4} The receipt file sequence (001-999)
  {5} The file extension: "xml" or "txt" depending on the receipt type.

Example: StatusReceipt_{0}_{1}.{5} would generate a file such as StatusReceipt_2009_06_12_12_28_10_581.txt

The default name format if you leave the file name blank is “status_receipt_{2}_{3}_{0}_{1}.{5}”

- Receipt Poll Run Time – If automated receipt downloading is desired, this is the number of minutes the Receipt Poller will run before terminating. If scheduling the program to run once per day this should represent less than 24 hours. Using 1410 would let the program run 23 hours and 30 minutes before shutting down.

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- Receipt Poll Sleep Time - this is how often the program will check for new receipts. You should not check too often since this may over-load the *PostalOne!* server. Do not use a value of less than 5 minutes.

PRESS “OK” to save your settings.

Important Considerations:

- Neither *PostalOne!* version 20.0 nor this version of the *PostalOne!* Mail.dat Client creates Postage Statement Receipt files.
- You can only be running one instance of a receipt polling process.

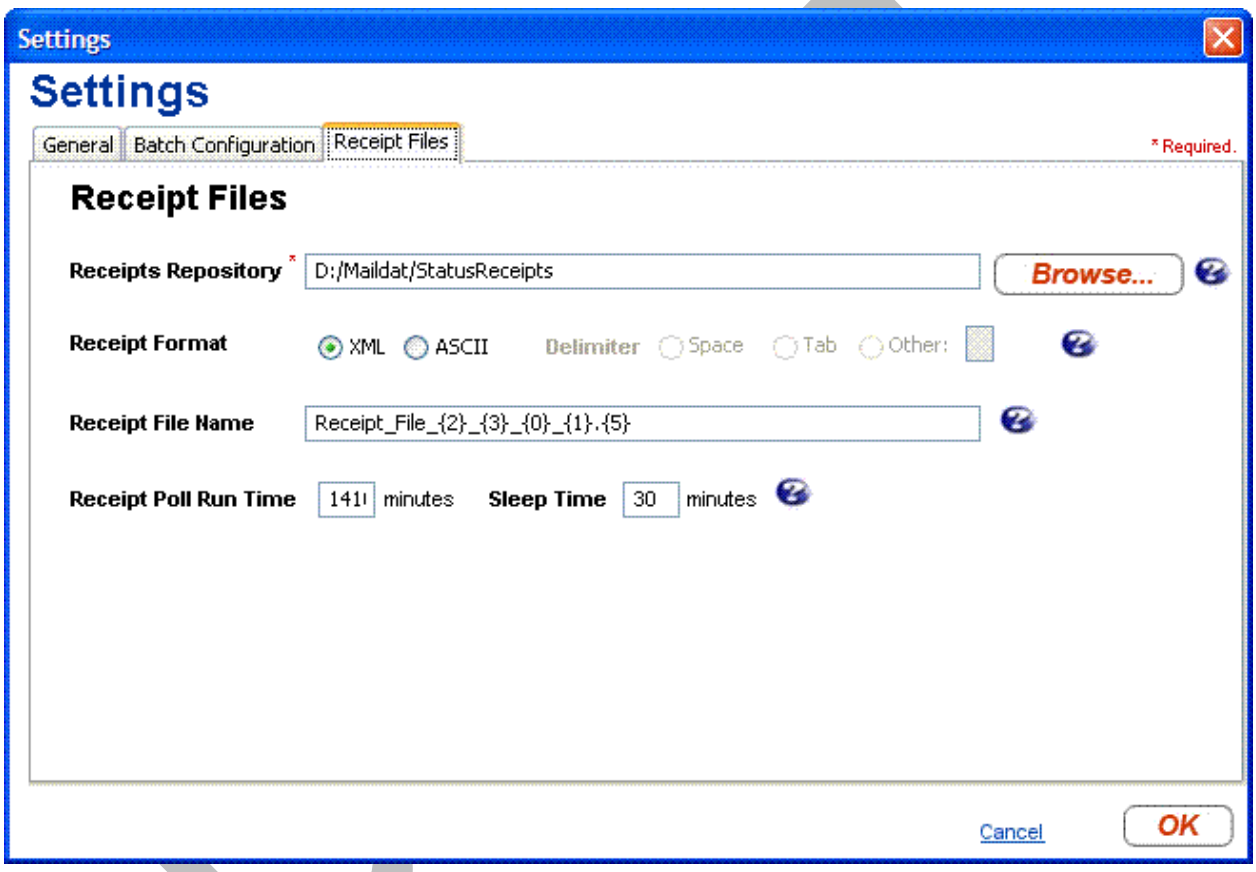

Figure 2-5 - Receipt File Settings

5.2.5.2 Invoking Batch Processing or Receipt Polling Using A Scheduler

You can invoke the *PostalOne!* Mail.dat Client Application in Batch Mode at specific times of the day to validate all files in the Jobs Repository. It is this mode that most closely resembles the behavior of the previous Batch Upload program.

To do this:

Have the scheduler execute the runBatchUpload batch or script file without any the Upload Run Time or Sleep Time values populated in your settings. Some versions of this file may have a “pause” statement at the end, which should be removed.

In Windows, the operator would go to Start/Control Panel/Scheduled Tasks

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Select “Add a Task” and browse to the folder you installed the *PostalOne!* Mail.dat Client

Select the “RunBatchUpload.bat” file and click “Open”.

Select the frequency. If you want to validate and upload all of your file starting at 11 pm, you would select “Daily”, click “Next”.

Enter the time, specify whether you want this to run every day or weekdays

Enter start date.

You can set up multiple scheduled tasks to execute the upload throughout the day. No additional MDRSETTINGS.CONF configuration options are needed. You should take care not to schedule batch processes for validation or uploading too close together. You can not have any more than one validate and upload process or receipt polling process running at the same time.

When you validate and upload files by running the batch process from a scheduler, the program captures a list of files in the repository. It will process them in file name order. When processing is complete, the program will terminate. Scheduled validation and upload processes should be far enough apart so that only one is running at any one time.

Special Considerations: If you are transferring and writing large files to the Jobs Repository, you should either zip these files first and transfer the zip files or write the HDR Mail.dat files last. If all of the individual Mail.dat files that belong to a job being validated is open by another process for writing or transfer, validation will fail.

AUTOMATED VALIDATION & UPLOAD

If you are doing automated validation and upload, you can setup the schedule to run the program once per day and set the Upload Run Time to a value of less than 1440. 1410 would allow the program to run for 23.5 hours. You also have to populate the Upload Sleep time.

AUTOMATED RECEIPT POLLING

If you are doing automated receipt polling, you can schedule the RunReceiptPoller script or batch file once every day and have the Receipt Poll Run Time populated to a value less than 1440 as well. You also have to populate the Receipt Poll Sleep Time.

5.2.5.3 Invoking Batch From Another Program

Many mailers use either a commercial Mail.dat product or a program they wrote themselves to manage the submission of Mail.dat files. These programs will create Mail.dat files according to *PostalOne!* naming conventions and place them in the Jobs Repository folder. Like when using a scheduler, these programs could launch the Mail.dat Client Application but they could also specify the specific mail.dat files they want to validate and upload in the command line. This way the program can continue to generate more mail.dat files for upload but ensure they are not processed until the Mail.dat application instructs the Mail.dat Client to do so.

To add a file list, the Mail.dat application can edit the “runBatchUpload.bat” batch file, and then invokes the Mail.dat Client. The runBatchUpload.bat Contents are shown below.

```
SET JAVA_HOME=.\jre1.5.0_07
SET
PATH=%JAVA_HOME%\bin;%JAVA_HOME%\lib;%JAVA_HOME%\lib\i386;.\lib\windows\x86;%PATH
%
FOR %%i in (lib\*.*) DO CALL lcp.bat %%i
SET CP=.;./lib/windows;%CP%;
SET CLASSPATH=./config/;%CP%
```


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```
%JAVA_HOME%\bin\javaw.exe -client -classpath %CLASSPATH%
gov.usps.mdr.client.controller.CmdController uploadMode
```

It is the last line of this batch file that needs to be modified to include the HDR or ZIP file names of all Mail.dat files to be validated and uploaded at the end of the line.

For example, if the Mail.dat Application just created four Mail.dat files, the “Header” names of each of the four would be listed after “uploadMode” separated by spaces.

Example:

```
……..uploadMode ABCD0001.HDR  ABCD0002.HDR ABCD003.ZIP
```

This would validate and upload the three Mail.dat files identified by their HDR or ZIP file names. They would be validated in order and will be uploaded would be started each validation is completed. If one of the files was really large and the other two were small, you might want to put the small ones first so they would validate and upload quickly without having to wait for the large file to validate first.

If the computer had enough available memory, the Mail.dat program could call separate instances of the Mail.dat Client for each file or one for large files and another for small files. For optimum performance, each instance of the program should have up to 2 GB of system memory (RAM) available. If the computer does not have more than 3 GB of RAM, it would not be a good idea to launch multiple upload instances. When another program calls the Mail.dat Client and passes one or more file names, no other configuration settings are needed in the MDRSETTINGS.CONF file.

Special Considerations: The length of the entire batch file line in Windows can not exceed 255 characters. This leaves only 141 characters for your file names. This would be ten 8.3 file names separated by spaces. Other operating systems may have larger limits or no limits at all.

5.2.5.4 Stopping the Program

If you are running the *PostalOne!* Mail.dat Client to automatically do upload and validation or to poll receipts and want to shut it down before the run time is over, you should not just end the task or kill the process. This could result in data corruption. The best way to stop the Mail.dat Client when operating in batch mode is to go to the window that executing the program will have opened and typing CTL-C on your keyboard. If this fails to work, Windows users can go the the Windows Task Manager (CTL-ALT-DEL), click on the “Processes” tab, highlight Javaw.exe and press the “End Task” button.

5.2.5.5 Setting Up Batch Mode for Solaris UNIX

Review the installation instructions above for Windows for a description of operation modes and MDRSettings.conf parameters and use Table A-6 below to determine the equivalent parameters to populate. The user name and password will have to be populated by running the “run-client_credentials.sh” shell file. If you are using the scheduled mode, you can use UNIX’s scheduler to invoke the program. You could also download the Windows version of the PostalOne! Mail.dat Client Application, configure it the way you want, then transfer the MDRsettings.conf file to the appropriate folder on your Solaris machine.

5.2.5.6 Converting From the Previous Batch Upload Program

The previous Batch Upload program will still be used for Mail.dat versions 08-1 and 08-2. The *PostalOne!* Mail.dat Client can only be used for Mail.dat version 09-1.

Use the above installation instructions in combination with the following table to understand which settings will allow the new program to work like the old, if that is what you want to do.

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Table 5- 3. Comparison of Batch Processor Settings

Legacy	MDR
client.config – Client configuration file that specifies parameters to connect to the *PostalOne!* system	Client.config not used. Hostname hard-coded into the version of the Mail.dat Client being used. To support multiple *PostalOne!* environments you would have different versions of the Mail.dat Client installed for each.
Postal1.ini – stores most setup information.	MDRSETTINGS.CONF stores all setup information.
POSTAL1.INI Parameters	**Equivalent MDRSETTINGS.CONF parameters Can populate with same values used in POSTAL1.INI, when applicable.**
MaximumOpenThreads	No equivalent – program uses one thread for validation and another for communication
RepositoryLocation	repository.location Can be set by the Mail.dat Client User Interface
SuccessfulRepositoryLocation	successful.jobs.path Can be set by the Mail.dat Client User Interface
UnSuccessfulRepositoryLocation	failed.jobs.path Can be set by the Mail.dat Client User Interface
ReceiptFileRepositoryLocation	status.receipt.file.repository.location
ReceiptFileName	Only status receipts are supported. See StatusReceiptFileName below
Delimiter	Status.receipt.field.delimiter
NumberOfValidationLogFiles	No equivalent setting
NumberOfServerLogFiles	No equivalent setting
MaximumValidationLogLength	No equivalent setting
MaximumServerLogLength	No equivalent setting
SystemUsername	Uid – encrypted – must be populated by Mail.dat Client User Interface Setup Screen or by using Run-client_credentials_tool utility.
SystemPassword	PW - must be populated by Mail.dat Client User Interface Setup Screen or by using Run-client_credentials_tool utility.
FileType	No equivalent setting. DELCON files are not supported by this application, just *PostalOne!* files.
StatusReceiptFilename	status.receipt.filename – only populated if legacy file naming convention is desired. Leave blank to use the new naming convention.
PostageStatementReceiptFilename	Postage Statement Receipts are not supported by *PostalOne!* V20 – no equivalent parameter
PSReceiptFileRepositoryLocation	Postage Statement Receipts are not supported by *PostalOne!* V20 – no equivalent parameter
PSReceiptType	Postage Statement Receipts are not supported by *PostalOne!* V20 – no equivalent parameter
StatusReceiptType	Status.receipt.type
NEW MDRSETTINGS.CONF PARAMETER VALUES ONLY FOR MDR BATCH PROCESSING	
	http.proxy.port - supports use of proxy server – can be populated by Mail.dat Client
Required for Automated Receipt Polling:	Status.receipt.poll.run.time.minutes

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Legacy	MDR
	Status.receipt.poll.sleep.time.minutes
Required for Automated File Validation and Upload:	Upload.run.time.minutes
	Upload.sleep.time.minutes

5.2.6 References

5.2.6.1 Command Line Options

Table 5- 4. Command Line Options

Command line option	Description
Java Options	Should appear after "Java" executable in command line
-Xms*n*m *Example: -Xms512m*	Iinitial size of Java's memory allocation pool. This value must greater than 1MB (1024KB). Append the letter "k" for kilobytes (multiples of 1024) or "m" for megabytes: The default value if not specified is is 2MB. Example shows 512 MB. See requirements section for recommended values.
-Xmx*n*m *Example – Xmx512m*	Maximum of Java's memory allocation pool This value must a multiple of 1024 kb or greater than 2MB. Append the letter k or K to indicate kilobytes, or m or M to indicate megabytes. The default value is 64MB. Example shows 512 MB. See requirements section for recommended values.
Batch Operation Operations	These arguments appear after gov.usps.mdr.client.controller.CmdController in a command line.
receiptPollMode	Activates receipt polling mode
uploadMode	Activates batch validation and upload mode
uploadMode receiptPollMode	Activates batch upload and receipt polling mode
Mail.dat hdr or zip file names	Specifies specific Mail.dat jobs files to validate and upload. Should be in command line after the above command line option(s). If files are not specified when starting in uploadMode, the program will attempt to upload the entire batch of files found in the upload directory at the time the system starts up. There may be operating system limitations on the length of the command line arguments that can be used, so be aware of this when specifying multiple files.
versionCheckMode	It will check its version against the server to see whether or not it is supported. This option preempts all other behavior - once the check is complete, the application quits.
showVersion	This causes the application to write its version to the console. This option may be used in conjunction with other modes. Note that the version is always written to the log file, whether or not you specify showVersion.
overwriteFiles	A file that exists in the "success" or "failed" directory will not automatically be overwritten (the file will remain in the repository after processing). To enable overwrite mode, use the overwriteFiles flag.
Dmail.dat.settings.file.path= c:\path\filename.extension	When specified in the command line as the first argument, this will allow the mailer to define the location and name of the

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	configuration file. Unlike paths in MDRSettings, the servers, drives and paths are defined using the operating system standards. The full file name and extension should also be defined. If not present, the settings will be maintained in MDRSettings.conf located in the CONF subfolder under the program folder.

Example of several of these command line options used at the same time in a modified runBatchUpload batch or shell file (file should be renamed if modified to avoid being overwritten by an update):

```
start %JAVA_HOME%\bin\javaw.exe -Dmail.dat.settings.file.path=
c:\work\mail\settings.cfg –Xms512m -Xmx512m -client -classpath %CLASSPATH%
gov.usps.mdr.client.controller.CmdController uploadMode overwriteFiles
```

In this example Java will allocate 512MB of memory up-front, get its settings from a file called settings.cfg in c:\work\mail, upload and validate files in batch mode and overwrite any mail.dat files in the "failed" or "successful" output folders.

Batch Files (Windows) and Shell Scripts (UNIX)

Table 5- 5. Batch Processing Files

Batch File/Shell Name	Description
Run-mdclient.bat	Sets the paths to the local installation of Java and executes the *PostalOne!* Mail.dat Client to display the user interface. Windows Only.
RunBatchUpload	Executes batch verification and upload for all files in the repository folder. Add file names to process selected files.
Run-receiptpoller	Checks *PostalOne!* server for receipt files and terminates. See instructions for how to enable automated operation.
Run-Client_credentials	Prompts for login name and password and encrypts these in MDRConfig. Required for UNIX users. Windows users can use setup screen of user interface.
RunBatchVersionCheck	Checks to see if version of program is currently supported. If it is not supported, the batch process is terminated and a notice of this is written into the validation log.
setup_jre_link.sh (Unix Only)	Links to Java JRE environment that was installed by the user.

5.2.6.2 MDRSettings.conf Settings

Table 5- 6. Batch Processor Settings (09-1)

Setting	Description	Populated by *PostalOne!* Mail.dat Client User Interface
logfile.path	The location where the log files are going to be stored.	Yes
successful.jobs.path	Mail.dat jobs will be moved to these directories after processing, according to success or failure of processing.	Yes
failed.jobs.path		Yes
Dmail.dat.settings.file.path	Optional setting to specify where the MDRSettings.conf user settings file will be	No

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Setting	Description	Populated by *PostalOne!* Mail.dat Client User Interface
	written/maintained. Must be manually added to MDRSettings.conf.	
Uid	User Id for login - encrypted – must be populated by Mail.dat Client User Interface Setup Screen or by using Run-client_credentials_tool utility.	Yes
PW	Password for Login – encrypted must be populated by Mail.dat Client User Interface Setup Screen or by using Run-client_credentials_tool utility	Yes
http.proxy.host	The host name of the http proxy server controlling access to the Internet. Leave blank if no proxy server is required.	Yes
http.proxy.port	The port that should be used for http traffic processing the internet via an http proxy server. Leave blank if no proxy server is required.	Yes
http.connect.retries	The number of times to retry http connections if the initial attempt fails due to timeout.	Yes
STATUS RECEIPT FILES		
status.receipt.file.repository.location	The directory that the Status Receipts will be written to.	No
status.receipt.type	The file type of the Status Receipt (DEL or XML) DEL creates ASCII delimited receipt files XML creates XML receipt files	No
status.receipt.field.delimiter	If DEL was set as receipt file type, set the optional character delimiter to be used. If not set, the system will default to comma ',' delimited.	No
status.receipt.filename	The Status Receipt file name. This is for legacy backwards compatibility naming convention support. The following substitution tokens are recognized in the receipt filename: {0} The current date. {1} The current time. {2} The job ID. {3} The header historical sequence number. {4} The receipt file sequence. {5} The file extension: "xml" or "txt" depending on the receipt type. The receipt file sequence increments from 001 to 999, and wraps to 001 after reaching 999. If this token is used without the job or date tokens, the receipt directory should be periodically emptied out. Note that if the directory already contains a receipt file with the requested name, it will not be overwritten unless the overwriteFiles flag was set on application startup.	No

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Setting	Description	Populated by *PostalOne!* Mail.dat Client User Interface
	If status.receipt.filename is not set, the system will generate a receipt file name using the default format: **status_receipt_{2}_{3}_{0}_{1}.{5}**	
status.receipt.poll.run.time.minutes	Time in minutes the receipt poller should run for.	No
status.receipt.poll.sleep.time.minutes	Time in minutes receipt poller should sleep between pollings. The system will not allow a time less than 5 minutes to prevent over loading the server with pollings	No
VALIDATIONAND UPLOAD SETTINGS FOR AUTOMATED BATCH PROCESSING		
upload.run.time.minutes	Time in minutes the batch upload should run for. This is optional, and is only used if setting up a hot batch folder (Automated Mode).	No
upload.sleep.time.minutes	Time in minutes the batch upload should sleep between batch runs. This is optional, and is only used if setting up a hot batch folder (Automated Mode).	No

6 *PostalOne!* System Help Desk

The *PostalOne!* program has a staffed *PostalOne!* System Help Desk to assist customers who may have questions or need assistance with a problem or technical issue with the *PostalOne!* system. The *PostalOne!* System Help Desk 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 *PostalOne!* System Help Desk at the beginning of the next workday.

PostalOne! System Help Desk Telephone **(800) 522-9085**

PostalOne! System Help Desk 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 *PostalOne!* System Help Desk. Your calls will be answered by the *PostalOne!* System Help Desk in a priority order, with preference given to fully enrolled customers having a signed *PostalOne!* user agreement on file.

If you have comments or suggestions regarding this technical specification, e-mail the *PostalOne!* System Help Desk.

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Appendix A. Status Receipt File Layout

For Mail.dat versions 08-1, 08-2 and 09-1, this Appendix contains details about the contents of a Status Receipt file and associated record types and format.

NOTE: Postage statement receipt files are not available; only status receipt files are available.

A-1 Status Receipt File Content

The receipt file conforms to these specifications:

2. 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.

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

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.

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

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.

A-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
```


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```
validation, the loading, and the processing of postage statements for a Mail.dat
file transfer.</xs:documentation>
               </xs:annotation>
               <xs:complexType>
                  <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>
```


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```
                      </xs:element>
                      <xs:element name="PS-generated">
                         <xs:annotation>
                            <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 (for Mail.dat 9-1). A value of "T" or " "indicating whether a postage statement has been generated or has not been generated (for Mail.dat 8-2).

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 B. Mail.dat File Definitions

This Appendix contains the names and definitions of each file used in Mail.dat and by the *PostalOne!* System. (Source: IDEAlliance *Users' Gui for Mail.dat, Version 09-1*)

Table C-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: 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. 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.
Intelligent Mail Range Record (.IMR)	The Intelligent Mail Range Record file allows a mailer to identify full-service piece characteristics and more than one range per container, pallet, tray, sack etc. This optional file can be used as an alternative to providing a .PDR file. Mailers should use this file for mailings with a large number of pieces that would otherwise require a very large .PDR file. This file is new with 09-1.
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. 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 Outside County container 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.
Piece Detail file (optional) (.PDR)	The Piece Detail file is used by the individual “manifest” mailing procedures. For non-manifest mailings, PDR files should be used to identify individual wasted pieces in a mailing, or for full-service mailings that lack sequentially numbered IM barcodes or a single mailing ID for all pieces in the mailing. To specify spoilage and shortage use either a .PAR file or a .PDR file.
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. To specify spoilage and shortage use either a .PAR file or a .PDR file.
Original Container Identification (OCI) file	In Release 22, the .oci file links a new container with an original container and allows customers to tie or link container information between Jobs from Mail.dat and Mail.XML.

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Appendix C. 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 09-1 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 ”. Some fields, like Job ID, do not allow special characters (letters and numbers only). The number sign ‘#’ is reserved as a closing character, but most fields labeled alphanumeric accept the following characters in addition to uppercase letters, lowercase letters,and numbers:

Table C- 1. ASCII Symbols Allowed

Hex	Symbol	Description	Hex	Symbol	Description
20		Space	3B	;	Semicolon
21	!	Exclamation Point	3C	<	Less Than Sign
22	"	Double Quotes	3D	=	Equal Sign
24	$	Dollar Sign	3E	>	Greater Than Sign
25	%	Percent Sign	3F	?	Question Mark
26	&	Ampersand	40	@	At Symbol
27	‘	Single Quote	5B	[	Opening Bracket
28	(	Opening Parenthesis	5C	\	Backslash
29	)	Closing Parenthesis	5D	]	Closing Bracket
2A	*	Asterisk	5E	^	Caret - Circumflex
2B	+	Plus Sign	5F	_	Underscore
2C	,	Comma	60	`	Grave Accent
2D	-	Minus Sign - Hyphen	7B	{	Opening Brace
2E	.	Period	7C	|	Vertical Bar
2F	/	Slash	7D	}	Closing Brace
3A	:	Colon	7E	~	Equivalency Sign - Tilde

- 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 technical specification 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.

NOTE: Fields marked with a single asterisk (*) are required by the *PostalOne!* system, in addition to the fields required by the Mail.dat specification. Fields marked with multiple asterisks indicate a special note at the end of the table. Every file record has a closing character # that must be in the position specified by the Mail.dat specification and there must be no further characters after the closing character.

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Header Record

Table C- 2. Header Record - .HDR

Field	Acceptable Values	Notes
Job ID	Alphanumeric	If numeric only, fill left with zeroes. No special characters allowed.
IDEAlliance Version	08-2 or 09-1	
Header History Sequence Number	Numeric	Required unique for subsequent submission of the same job number.
Header History Status	C, H	H records are not used
Historical Job ID	Alphanumeric	If numeric only, fill left with zeroes.
Licensed User's Job Number	Alphanumeric	Required by PostalOne.
Job Name/Title & Issue	Alphanumeric	
File Source	Alphanumeric	
User License Code	Alphanumeric	Required by PostalOne. The Postal Service systems treat the User License Code or provider code as case sensitive.
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	
Container Summary Record Count	Numeric	
Container Summary File Status	O,C,D,U,N	
International Container Label Count	Numeric	Ignore file in 8-2, Reserve in 9-1
International Container Label Status	O,C,D,U,N	Ignore file in 8-2, Reserve in 9-1
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	Must be present for Rate Category field in the CQT record is set to "A" (Saturation–ECR)
Walk Sequence File Status	O,C,D,U,N	Must be present for Rate Category field in the CQT record is set to "A" (Saturation–ECR)

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Field	Acceptable Values	Notes
Seed Name Record Count	Numeric	Ignore file
Seed Name File Status	O,C,D,U,N	Ignore file
Package Label Record Count	Numeric	Ignore file
Package Label File Status	O,C,D,U,N	Ignore file
IJ / C Relationship Record Count	Numeric	Ignore file
IJ / C Relationship File Status	O,C,D,U,N	Ignore file
Piece Detail Record Count	Numeric	
Piece Detail File Status	O,C,D,U,N	
Special Fee/Charge Record Count	Numeric	Ignore file
Special Fee/Charge File Status	O,C,D,U,N	Ignore file
Manifest Individual Record Count	Numeric	Ignore file
Manifest Individual File Status	O,C,D,U,N	Ignore file
Manifest Summary Record Count	Numeric	Ignore file
Manifest Summary File Status	O,C,D,U,N	Ignore file
Postage Adjustment Record Count	Numeric	
Postage Adjustment File Status	O,C,D,U,N	
Information Access Key Record Count	Numeric	08-2 Ignore file. Deleted in 09-1.
Information Access Key File Count	O,C,D,U,N	08-2 Ignore file. Deleted in 09-1.
Postage Statement Record Count	Numeric	Ignore file. New with 09-1.
Postage Statement Record File Status	O,C,D,U,N	Ignore file. New with 09-1.
Intelligent Mail Range Record Count	Numeric	New with 09-1.
Intelligent Mail Range File Status	O,C,D,U,N	New with 09-1.
Original Container Identification Record Count	Numeric	New with 09-1 and Release 22. Prior to Release 22 Ignore file.
Original Container Identification File Status	O,C,D,U,N	New with 09-1 and Release 22. Prior to Release 22 ignore file.
XML PDR File Status	Y,N	
Mail.dat Presentation Category	P,M,I,S	Use P for presort, M for MLOCR, I for Individual Manifest, S for Summary Manifest. **NOTE**: Manifest values (I and S) are processed like presort mail (P).
Original Software Vendor Name	Alphanumeric	New with 09-1.
Original Software Product's Name	Alphanumeric	New with 09-1.
Original Software Version	Alphanumeric	New with 09-1.
Original Software Vendor's Email	Alphanumeric	New with 09-1.
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	
Event Manager Audit Code	Alphanumeric	
Software Vendor's ZAP Option	Numeric	Required for Periodicals with original or preliminary container status. This differs from the Mail.dat specification.
Zone Matrix Date	Date	YYYYMMDD - Example: 20061225.

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Field	Acceptable Values	Notes
		Only for 08-2. Deleted in 09-1.
User Option Field	Alphanumeric	
Reserve	Alphanumeric	
Closing Character	#	

Segment Record

Table C- 3. Segment Record - .SEG

Field	Acceptable Values	Notes
Job ID	Alphanumeric	Must match Job ID of Header
Segment ID	Alphanumeric	If numeric only, fill left with zeroes.
Segment Description	Alphanumeric	
Class Defining Preparation	1,2,3,4	Class must be 1 (First-Class Mail), 2 (Periodicals), 3 (Standard Mail) or 4 (Package Services). For Pending Periodicals, use “2”.
Principal Processing Category	LT,FL,CD,CM,IR,MM,MP, NA,NB,NP	Principal Processing Category is validated by class as follows. First-Class Mail: LT, FL, CD, PF, MP, IR, NP Periodicals: LT, FL, IR, MP, NP Standard Mail: LT, FL, MP, IR, NP, NA, NB, CM Package Services: FL, MP, IR, NP
Mail Sacking Criteria – CR/ECR	CO,CF,CB,PC,TP,PT	Mail Sacking Criteria is validated as follows: First-Class Mail and Periodicals: not applicable Standard Mail: CO, CF, CB Package Services: 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 a valid date may impact rate eligibility.
Sibling Container Mailing	‘Y’, ‘ ‘ (space)	
Verification Facility Name	Alphanumeric	Required in PostalOne.
Verification Facility ZIP+4	Numeric	Required for all file versions. Fill with the ZIP Code + 4 without a hyphen. Example: 123451234. Permits must be at the facility at this ZIP Code.

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Field	Acceptable Values	Notes
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	For MLOCR
SEG Record Status	O,I,U	Only for 08-2. Moved in 09-1.
Package Services Packaging Criteria	PC,PD,CB	
Automation Coding Date	Date	YYYYMMDD - Example: 20061225. Fill with 00010101 if no date available; lack of a valid date may impact price eligibility.
Carrier Route Coding Date	Date	YYYYMMDD - Example: 20061225
Carrier Route Sequencing Date	Date	YYYYMMDD - Example: 20061225
EMD Barcode Indicator	M,S,P	
EMD Mailing-Generic Package Barcode	Alphanumeric	
Move Update Date	Date	YYYYMMDD - Example: 20061225. If not applicable use 00010101
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. Can be blank
Requested Piece Weight Verification Completion Date	Date	YYYYMMDD – Example: 20061225. Can be blank.
Mailing Agreement Type	A,B,C,D,E,F	
Mail Facility ID*	Alphanumeric	CRID by USPS. . CRID should not be zero-padded.
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. (If 1, the postage statement for only bundles and containers must be entered manually.)
Presentation Category	P,A	For MLOCR processing
Seamless Acceptance Indicator	1,2,' ' (space)	Deleted in 09-1.
Less Than a Presort Segment Presentation	Y,N	If this field is Y for Periodicals, the CQT container allocation and PQT bundle allocation fields are used to calculate container and bundle charges.
User Option	Alphanumeric	Only for 08-2. Moved in 09-1.
Full-service Participation Indicator	B,F,M,' ' (space)	New for 09-1: M. Version 09-1 only accepts F, M, or blank (space).

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Field	Acceptable Values	Notes
Move Update Method	0,1,2,3,4,5,6,7	New for 09-1.
CSA Agreement ID	Alphanumeric	New for 09-1. Specific agreement applicable to this segment of the mailing.
User Option Field	Alphanumeric	New location for 09-1.
SEG Record Status	O,I,U	New location for 09-1.
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 C- 4. Mail Piece Unit - .MPU

Field	Acceptable Values	Notes
Job ID	Alphanumeric	Must match Job ID of Header
Segment ID	Alphanumeric	Must match Seg ID of Segment.
Mail Piece Unit ID	Alphanumeric	Must be unique within a job. If numeric only, fill left with zeroes. Must have a corresponding MCR record.
Mail Piece Unit Name	Alphanumeric	Must be unique within a segment.
Mail Piece Unit Description	Alphanumeric	
Mail Piece Unit – Weight*	Numeric Decimal	99v9999 Used to calculate postage
MPU - Weight: Source	A,P,C,L	
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	Must use for 08-2. Deleted in 09-1 use CPT. 999v99. Must be equal to or less than 100.00.
MPU - Periodical Ad %: Status	N,P,F	Must use for 08-2. Deleted in 09-1 use CPT.
Mail Piece Unit - Class	1,2,3,4,5	If populated *MPU - Rate Type* must be populated.
Mail Piece Unit - Rate Type	R,C,P,L,S,B,F,N,T, ,D,G,W,Y,E,J,K	If *MPU - Class* is populated, First-Class Mail: R, E, G, J, K, T Periodicals: R, N, S, C, W, Y Standard Mail: R,N Package Services: B, P, L, F, D
Rate Schedule	P, ' ' (space/blank)	New for 09-1.
Mail Piece Unit - Processing Category	LT,FL,CD,MP,IR,OS, PF,CM,NA,NB,NP	If *MPU - Class* is populated, First-Class Mail: LT, CD, FL, PF, MP, IR, NP Periodicals or Pending Periodicals: LT, FL, IR, MP, NP Standard Mail: LT, FL, MP, IR, NP, NA, NB,

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Field	Acceptable Values	Notes
		CM Package Services: LT, FL, IR, MP, NP
Country	USA	Must be USA.
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	Not used by the *PostalOne!* system
Five Digit Scheme Database Date	Date	YYYYMMDD - Example: 20061225
Sibling Container Mailing	Y,' ' (space/blank)	Not used by the *PostalOne!* system
Confirm Subscriber ID	Numeric	
MPU Record Status	O,I,U	Only for 08-2. Moved in 09-1.
Flat Machinability	Y,U,N,' ' (space/blank)	For Periodicals, if *Mail Piece Unit – Processing Category* is FL, this field is required and impacts prices. For more information, see the Flats Machinability Values table.
Pre-Denominated Amount	Numeric	For Postage Affixed
Postage Affixed Type	S,M	For Postage Affixed
Prose XML Edition Code	Alphanumeric	Deleted in 09-1.
Bulk Insurance	Y,N,O	
User Option Field	Alphanumeric	New for 09-1.
MPU Record Status	O,I,U	New location for 09-1.
Reserve	Alphanumeric	
Closing Character	#	

Mail Piece Unit – Class Values

The *PostalOne!* System supports the following mail classes (Mail Piece Unit – Class in the .mpu file) for electronic data submission:

Table C- 5. 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.

Mail Piece Unit – Flats Machinability Values for Periodicals Mailings

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

NOTE:

- Nonmachinable Flat Size Periodicals (DMM 707.26) claim a Machinable piece price for 5-Digit Barcoded. Otherwise, follow the Nonmachinable and Parcels prices.
- Periodicals parcels claim the Nonbarcoded Nonmachinable piece prices in the Parcels section.

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Table C- 6. Flats Machinability Values for Periodicals

Value	Presort Level	Piece Prices
Y	All	Machinable Flats (DMM 301.3)
U	3-Digit, ADC, Mixed ADC	Nonmachinable Flats (DMM 707.26)
U	5-Digit Barcoded	Machinable Flats (DMM 707.26)
N	All	Parcels
Blank	All	None. Error message occurs if Flats Machinability is blank in a Periodicals mailing with Processing Category “FL”.

MPU/C Relationship Record

Table C- 7. MPU/C Relationship Record - .MCR

Field	Acceptable Values	Notes
Job ID	Alphanumeric	Must match Job ID of Header
Segment ID	Alphanumeric	Must match Seg ID of Segment.
Mail Piece Unit ID	Alphanumeric	Must match MPU ID of MPU. Must have an MCR for every MPU.
Component ID	Alphanumeric	Must match CPT ID of CPT. Must have an MCR for every CPT.
MCR Record Status	O, I,U	Only for 08-2. Moved in 09-1.
Primary MPA ID	Alphanumeric	Must match the MPA - Unique Sequence/Grouping ID in the .mpa file
Additional Postage MPA ID	Alphanumeric	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 field of the .mcr file. Additional postage may only be charged to a permit imprint account.
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. The Host Statement Component ID is required to be populated for the following scenarios: • Multiple Hosts: For Periodical Co-Mailings, there will be multiple hosts within the same MPU. The incidentals must reference the correct Host Statement Component ID. • Non Incidental and Incidental Enclosures: If there is a non-incidental enclosure (the non-incidental enclosure is its own host) and one or more incidental enclosures, the incidental enclosures must reference the appropriate Host Statement Component ID. • See section on Full-service Data Distribution - PDR File Option using Component record.
Host Indicator of Ad Computation	Y,N	
Postage Adjustment MPA ID	Alphanumeric	Must match the MPA - Unique Sequence/Grouping ID containing the permit imprint account used to pay

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Field	Acceptable Values	Notes
		for adjusted postage
MCR Record Status	O,I,U	New location for 09-1.
Reserve	Alphanumeric	
Closing Character	#	

Mailer Postage Account Record

Table C- 8. Mailer Postage Account Record - .MPA

Field	Acceptable Values	Notes
Job ID	Alphanumeric	Must match Job ID of Header.
MPA - Unique Sequence/Grouping ID	Alphanumeric	If numeric only, fill left with zeroes. Must match to MCR record Primary MPA ID or Additional Postage MPA ID or Postage Adjustment MPA ID.
MPA - Description	Alphanumeric	
USPS Publication Number*	Alphanumeric	Mutually exclusive with *Permit Number* field. Use only for Periodicals mailings. Do not use for Pending Periodicals. The USPS Publication Number must be active at the Post Office location designated by the required Permit ZIP +4. The Postage Payment Method is required.
Permit Number*	Alphanumeric	Mutually exclusive with *Publication Number* field. Use for all non-Periodicals, including Pending Periodicals. The permit must be active at the Post Office location designated by the required Permit ZIP + 4. The Postage Payment Method is required.
Permit City	Alphabetic	
Permit State	Alphabetic	
Permit ZIP+4*	Alphanumeric	All Mailer Postage Account (MPA) 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. The *PostalOne!* system 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, Permit ZIP+4 information must be included with all postage transactions. In 8-2 Mail.dat validation uses each Permit ZIP +4. If multiple matches to finance number are found there is an error message. In 9-1 Mail.dat validation use the first finance number found.
Mail Owner's Lcl Permit Ref Num /	Numeric	Required field for *PostalOne!* postage payment

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Field	Acceptable Values	Notes
Int.l Bill Num		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. (V is for a permit type GH.) See the section on Full-service Data Distribution.
Postage Payment Option*	C,D,V,O,T,B	
Customer Reference ID	Alphanumeric	System only accepts 30 customer reference IDs in a Job.
Postage Payment Method	S,M,P,C,L, I,G,T	Only required if *Permit Number* or *Publication Number* is present.
Mailing Facility DUNS Number	Alphanumeric	For Mailer convenience, the *PostalOne!* system validates format but does not process or display this field.
Permit Holder DUNS Number	Alphanumeric	For Mailer convenience, the *PostalOne!* system validates format but does not process or display this field.
Federal Agency Cost Code	Alphanumeric	
Non-Profit Authorization Number	Alphanumeric	Exists for mailer convenience. *PostalOne!* uses the permit number to find the authorization number.
Title	Alphanumeric	Exists for mailer convenience.
Mailer ID of Mail Owner	Numeric	New with 09-1. Postal Service assigned. See the section on Full-service Data Distribution.
CRID of Mail Owner	Numeric	New with 09-1. Postal Service assigned. CRID should not be zero-padded. See the section on Full-service Data Distribution.
Mailer ID of Preparer	Numeric	New with 09-1. Postal Service assigned. See the section on Full-service Data Distribution.
CRID of Preparer	Numeric	New with 09-1. Postal Service assigned. CRID should not be zero-padded. See the section on Full-service Data Distribution.
CSA Applies for Periodicals	Y,N,' ' (space/blank)	New with 09-1. Must be space if class is not Periodicals or pending Periodicals.
User Option Field	Alphanumeric	
MPA Record Status	O,I,U	
Reserve	Alphanumeric	
Closing Character	#	

Postage Statement Record - Ignore

This record type is new with Mail.dat version 09-1. The *PostalOne!* system will allow the .PSR (Postage Statement Record) to be included in a file set; however it will not perform any validations, upload or store those records.

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Component Record

Table C- 9. Component Record - .CPT

Field	Acceptable Values	Notes
Job ID	Alphanumeric	Must match Job ID of Header.
Component ID	Alphanumeric	If numeric only, fill left with zeroes. Must have a corresponding MCR record.
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 greater than or equal zero and less than or equal 100.00. Required for Periodicals in version 09-1 if the CPT *Periodical Ad% Treatment* is B or S. If Component – Periodical Ad Percentage is blank, Periodical Ad% Treatment must Blank, B or N. If Component – Periodical Ad Percentage is zero, Periodical Ad% Treatment must Blank, B, N or S. If Component – Periodical Ad Percentage is greater than zero, Periodical Ad% Treatment must be B, N or S. The Component (CPT) Ad % Basis is only required when there are multiple components with an Periodical Ad% Treatment value of S. See Appendix E section Ad % Basis for an explanation of how Ad % Basis is used to calculate Ad % for the publication when there are multiple components with Ad % Treatment S.
Component - Periodical Ad Percentage: Status	N,P,F	Required for Periodicals in version 09-1 if the CPT *Periodical Ad% Treatment* is B or S.
Component - Class	1,2,3,4,5,9	If filled, populate all three of *Component – Processing Category* and *Component – Rate Type,* and *Component – Processing Category.*
Component - Rate Type	R, N, S, C, B, T, P, L, F, B, E, G, I, J, O, K, D, W, Y, H, M, Z	If filled, populate all three of *Component – Processing Category* and *Component – Rate Type,* and *Component – Processing Category.*
Component - Processing Category	LT, FL, CD, CM, NB, NP, MP, IR, PF, or NA	I If filled, populate all three of *Component – Processing Category* and *Component – Rate Type,* and *Component – Processing Category.* Must match processing category in the MPU unless the component is an enclosure.
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.
Mailer ID of Mail Owner	Numeric	New with 09-1. USPS Mailer ID. See the section on Full-service Data Distribution.
CRID of Mail Owner	Numeric	New with 09-1. USPS CRID. CRID should not be zero-padded. See the section on Full-service Data Distribution.

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Field	Acceptable Values	Notes
Sibling Container Mailing	Y,' ' (space/blank)	Not used by the *PostalOne!* or FAST systems.
Mail Owner's Mailing Reference ID	Alphanumeric	
CPT Record Status	O,I,U	Only for 08-2. Moved in 09-1.
Periodical Ad% Treatment	B,S,N	For 09-1 files and Periodicals, CPT *Periodical Ad Percentage* greater than or equal zero and less than or equal 100.00 is required if this field is S. If Component – Periodical Ad Percentage is blank, Periodical Ad% Treatment must Blank, B or N. If Component – Periodical Ad Percentage is zero, Periodical Ad% Treatment must Blank, B, N or S. If Component – Periodical Ad Percentage is greater than zero, Periodical Ad% Treatment must be B, N or S. The Component file Ad % Basis value is required and must be greater than zero for each component with an Periodical Ad% Treatment value of S if there are multiple components with an Periodical Ad% Treatment value of S. See Appendix E section Ad % Basis for an explanation of how Ad % Basis is used to calculate Ad % for the publication when there are multiple components with Ad % Treatment S.
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. Only required for Periodicals.
Periodical Frequency	Numeric	*PostalOne!* uses the frequency on the publication record at the Post Office location. If Periodical Frequency is missing, the *PostalOne!* system treats the field as blank and continues processing.
Weight Version ID	Alphanumeric	Exists for mailer convenience.
Equivalent User License Code 8-2 Weight prefix on field name	Alphanumeric	Use with *Equivalent Mail.dat Job ID* and *Equivalent Component ID*.** The Postal Service systems treat the Equivalent User License Code as case sensitive.
Equivalent Mail.dat Job ID 8-2 Weight prefix on field name	Alphanumeric	Use with *Equivalent User License Code* and *Equivalent Component ID*.**
Equivalent Component ID 8-2 Weight prefix on field name	Alphanumeric	Use with *Equivalent User License Code* and *Equivalent Mail.dat Job ID*.**
Equivalent Component Type	W,B,' ' (space/blank)	New for 09-1. For Periodicals only.
Ad % Basis	Numeric	New for 09-1. 9999v99 The Component file Ad % Basis value is required and must be greater than zero for each component with an Periodical Ad% Treatment value of S if there are multiple components with an Periodical Ad% Treatment value of S. See Appendix E section Ad % Basis for

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Field	Acceptable Values	Notes
		an explanation of how Ad % Basis is used to calculate Ad % for the publication when there are multiple components with Ad % Treatment S.
Component Title	Alphanumeric	Exists for mailer convenience.
User Option Field	Alphanumeric	New for 09-1.
CPT Record Status	O,I,U	New location for 09-1.
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.

Component Record - Issue Date Values

For the Issue Date field, 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 C- 10. 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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Component Record – Addressed Supplement Scenarios

These scenarios require that

1. Each addressed supplement with a unique weight and/or advertising percentage must have its own Component and its own Mail Piece Unit.

2. The Mail Piece Unit – Class for the host publication and for the addressed supplement shall have values 2 or 5.

3. The Mail Piece Unit – Rate Type for the host publication and for the addressed supplement shall have values R, N, C, S, Y, or W.

4. The Component File Component – Class for the addressed supplement shall have values 2 or 5.

5. The Container Quantity (CQT) fields Copies and Pieces must be populated with the actual number of addressed supplements copies and pieces. (Note: These copies and pieces are used to calculate pound postage and bundle and container postage but copies are automatically set to zero to calculate piece postage. In pound postage these copies count for the weight but not for subscriber or nonsubscriber copies.)

6. The Package Quantity (PQT) fields Copies and Pieces must be populated with the actual number of addressed supplements copies and pieces. (Note: These copies and pieces are used to calculate pound postage and bundle and container postage but copies are automatically set to zero to calculate piece postage. In pound postage these copies count for the weight but not for subscriber or nonsubscriber copies.)

7. Both the host publication and the addressed supplement Component file Periodical Ad % Treatment must be S. (However, the Ad % may be zero.)

8. If the addressed supplement is claiming full-service and using the Intelligent Mail Range Record, the Intelligent Mail Range file field Class must be value 2.

9. If the addressed supplement is claiming full-service and using the Piece Detail Record associate the Intelligent Mail Barcode to the appropriate Piece Detail Record and Container Quantity Record CQT Database ID for the Mail Piece Unit ID for the addressed supplement.

10. A host publication may have ride-alongs, repositionable notes, incidental and non-incidental enclosures. The following scenarios show the host publication without these options. For a normal supplement sent with the host publication the requirement is to associate both the supplement and the host publication components with the host publication mail piece unit. (See the IDEAlliance Mail.dat Specification - Special Usage Scenario – Periodical With First Class or Standard Mail Enclosure – Table title: Treatment within the Component Record of various types of enclosures & attachments #3 Periodicals Supplement) However, for an addressed supplement we associate the addressed supplement to a mail piece unit and the host publication to a different mail piece unit.The simplest scenario for an addressed supplement is represented as follows.

Piece	Component ID	Mail Piece Unit ID	Component – Rate Type
Host	CPT1	MPU1	R
Addressed Supplement	CPT2	MPU2	Z

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Associate the Component ID of the addressed supplement and its repositionable notes, ride alongs, or nonincidental enclosures to the Mail Piece Unit ID of the addressed supplement in the MPU/C Relationship Record (MCR) file. (See scenarios 1-3 below). In Scenario 4, a Mail.dat file may have multiple editions of addressed supplements (various copy weights and advertising percentage) for a single host book. In Scenario 5, the same addressed supplement (same copy weight and advertising percentage) may be assigned to multiple MPU IDs for customer convenience. In Scenario 6, a Mail.dat job may have only addressed supplements without their host publication.

SCENARIO 1: ***Addressed Supplement with Repositionable Notes***

This scenario illustrates a file submission describing a mailing with Addressed Supplement associated with an Incidental Enclosure of type Repositionable Note (Component Rate Type M).

Piece	Component ID	Mail Piece Unit ID	Component – Rate Type
Host	CPT1	MPU1	R
Addressed Supplement	CPT2	MPU2	Z
Addressed Supplement Repositionable Note	CPT3	MPU2	M

**Addressed Supplements can be associated with multiple Incidental Enclosures.*

SCENARIO 2: ***Addressed Supplement with Ride-Alongs***

This scenario illustrates a file submission describing a mailing with Addressed Supplement associated with an Incidental Enclosure of type Ride-Along (Component Rate Type H).

Piece	Component ID	Mail Piece Unit ID	Component – Rate Type
Host	CPT1	MPU1	R
Addressed Supplement	CPT2	MPU2	Z
Addressed Supplement Ride Along	CPT3	MPU2	H

**Addressed Supplements can be associated with multiple Incidental Enclosures.*

SCENARIO 3: ***Addressed Supplement with Included Part or Host – Incidental Enclosure***

This scenario illustrates a file submission describing a mailing with Addressed Supplement associated with an Incidental Enclosure of type Included Part of Addressed Supplement (Component Rate Type Z).

Piece	Component ID	Mail Piece Unit ID	Component – Rate Type
Host	CPT1	MPU1	R
Addressed Supplement	CPT2	MPU2	Z

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Addressed Supplement Incidental Enclosure	CPT3	MPU2	Z

**Addressed Supplements can be associated with multiple Incidental Enclosures.*

SCENARIO 4: ***Periodical Mailing with Multiple Addressed Supplements***

This scenario illustrates a file submission describing a mailing with multiple Addressed Supplements.

Piece	Component ID	Mail Piece Unit ID	Component – Rate Type
Host	CPT1	MPU1	R
Addressed Supplement	CPT2	MPU2	Z
Addressed Supplement	CPT3	MPU3	Z

SCENARIO 5: *Addressed Supplement with various Mail Piece Unit Records*

This scenario illustrates a file submission describing a mailing with Addressed Supplement where the associated component is assigned multiple Mail Piece Units.

Piece	Component ID	Mail Piece Unit ID	Component – Rate Type
Addressed Supplement	CPT2	MPU1	Z
Addressed Supplement	CPT2	MPU2	Z

SCENARIO 6: Mail.dat containing only *Addressed Supplement elements*

This scenario illustrates a file submission describing a mailing with Addressed Supplement where the Mail.dat file contains only information related to the Addressed Supplements, and not their hosts.

Piece	Component ID	Mail Piece Unit ID	Component – Rate Type
Addressed Supplement	CPT1	MPU1	Z

Container Summary Record

Table C- 11. Container Summary Record - .CSM

Field	Acceptable Values	Notes
Job ID	Alphanumeric	Must match Job ID of Header.
Segment ID	Alphanumeric	Must match Seg ID of Segment.
Container Type	P,S,O,T,E,F,B,W,Z,U,L, M,H,A,G,D,R,C	This field impacts prices for Periodicals mailings. See the Container Type Values table.

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Field	Acceptable Values	Notes
Container ID	Numeric	If numeric only, fill left with zeroes. Must be unique within a Job ID.
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,AH,AI,AJ,AK,AL,AM,AN,AO,AP,AQ	This field impacts prices for Periodicals mailings. For more information, see the Container Level Values table. New for 09-1 First-Class Mail Palletization option: W,AK,AL,AM,AN,AO,AP,AQ
Entry Point for Entry Discount - Postal Code	Alphanumeric	3 or 5-digit ZIP Code
Entry Point for Entry Discount - Facility Type	B,A,S,D,H,R,O,X,V,U,T,N,G,F,C,E,J,K,L,M,Q,I	This field impacts prices for Periodicals mailings. For more information, see the Entry Point for Entry Discount – Facility Type Values table. Used in validation with FAST appointment facility and Mail Direction Files for drop shipments. Class is Periodicals: 'B', 'A', 'S', 'D', 'R', 'O', 'T', 'N', 'C', 'E', 'J', 'K', 'L', 'M', 'I' or 'Q' All other classes: 'B', 'A', 'S', 'D', 'H', 'R', 'O', 'X', 'T', 'N', 'C', 'E', 'J', 'K', 'L', 'M', 'I', or 'Q'
Entry Point - Actual / Delivery - Locale Key	Alphanumeric	If Entry Point for Entry Discount - Facility Type is one of {B, R, S, D, A, C, K, J, E, L, T, Q}, then this field is required and must contain a locale key that with "LOC" preceding the 6 byte alphanumeric locale code. The field can have a locale key for origin-entered mail when USPS Pick Up is "N". If Entry Point for Entry Discount - Facility Type is one of {O,H}, then this field is required may contain a locale key or contain "ORIGIN".
Entry Point – Actual / Delivery Postal Code	Alphanumeric	ZIP Code + 4
Parent Container Reference ID	Numeric	A logical tray can be associated to either a physical or logical container. A physical tray or sack can be associated to either a physical or logical container. This field must match a Container ID in the CSM.
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.

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Field	Acceptable Values	Notes
Actual Container Ship Date	Date	Required for postage payment in version 08-2 and earlier: YYYYMMDD - Example: 20061225.
Actual Container Ship Time	Time	HH:MM – Example: 18:12.
Scheduled Pick Up Date	Date	New for 09-1. YYYYMMDD - Example: 20081225.
Scheduled Pick Up Time	Time	New for 09-1. HH:MM – Example: 18:12.
Actual Pick Up Date	Date	New for 09-1. YYYYMMDD - Example: 20081225.
Actual Pick Up Time	Time	New for 09-1. 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, full-service DDU containers without an appointment, and BMEU-verified mail entered under a CSA. The Scheduled Induction Date and Scheduled Time are required when the .CSM Container Status is Ready-to-Pay and when the .seg CSA Agreement is populated or the .csm USPS Pick up is Y. The CSM Scheduled Induction Date and Scheduled Induction time are optional on a container that is drop-shipped with CSM Entry Point for Entry Discount –Facility not O or T.
Scheduled Induction Time	Time	HH:MM – Example: 13:30. Required for recurring reservation numbers, full-service DDU containers without an appointment, and BMEU-verified mail entered under a CSA. The Scheduled Induction Date and Scheduled Time are required when the .CSM Container Status is Ready-to-Pay and when the .seg CSA Agreement is populated or the .csm USPS Pick up is Y. The CSM Scheduled Induction Date and Scheduled Induction time are optional on a container that is drop-shipped with CSM Entry Point for Entry Discount –Facility not O or T.
Actual Induction Date	Date	New for 09-1. YYYYMMDD – Example 20061225. FAST closeout date. For mailer tracking only.
Actual Induction Time	Time	New for 09-1. HH:MM – Example: 13:30. FAST Closeout time. For mailer tracking only.
Internal Date	Date	YYYYMMDD - Example: 20061225. Cannot be all zeroes.

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Field	Acceptable Values	Notes
Postage Statement Mailing Date	Date	Required for postage payment and new in 09-1. YYYYMMDD – Example: 20080820. Cannot be all zeroes. Used to determine price/postage prices applicable – finalization date. 1. The system will not require the CSM Postage container Mailing Date if the CSM Container Status is Original. There is no need for Postage container Mailing Date because there is no postage container created for this case. 2. The system will not require the CSM Postage container Mailing Date if the CSM Container Status is Preliminary. The Postal Service does not use the estimated postage containers generated for this case. 3. When no CSM Postage container Mailing Date is provided, the system will use the current system date for the mailing date on the estimated postage containers.
Postage Statement Mailing Time	Time	New for 09-1. HH:MM – Example: 19:00. Used to determine price/postage prices applicable – finalization time.
Number of Copies	Numeric	
Number of Pieces	Numeric	
Total Weight (product only)	Numeric	9999v9 For all classes of mail, omit the validation for the CSM container weight of the children containers to add up to the CSM weight of the parent container.
Unique Container ID	Alphanumeric	If numeric only, fill left with zeroes. *PostalOne!* will fail the file if this field is filled for sibling containers.
Container Status	R,C,X,P,T,O,D,' ' (space/blank)	See the section Rules for Sending Updates and the table Allowable Container Status Values.
Container Ready to Pay Transaction ID	Blank	Links to the associated .psr file. Must be blank since .psr is not supported.
Included in Other Documentation	Blank, O, L	In Release 22, Links to the associated .oci file. Must be blank for all pallet-level containers and mail that is not co-palletized. Completed with 'O' for trays and virtual sacks at origin when sent for co-palletization. Completed with 'L' for trays and virtual sacks at co-palletization to link back to the origin location. Must be blank prior to Release 22 since .oci is not supported.
Machinable Mail Piece*	Y,N,U,A	
Tray Preparation Type*	P, L, S, N	

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Field	Acceptable Values	Notes
Protected Container Status	P,N	Required in 08-2. Deleted in 09-1.
Container Presort Content	A,B,C,D,E,F,G, blank	Deleted in 09-1.
Geographic Scheme Level	A,B,C	Deleted in 09-1.
Production Machine ID	Alphanumeric	Deleted in 09-1.
Trans-Ship Bill of Lading Number	Alphanumeric	
Production Machine ID	Alphanumeric	Deleted in 09-1.
Sibling Container Indicator	Y,' ' (space/blank)	A sibling container may not fill in many fields in the CSM because this container inherits those values from its sibling. (See the Mail.dat specification.)
Sibling Container Reference ID	Numeric	If the Sibling Container Indicator is Y, this field is required and must match a Container ID in the CSM file.
Postage Grouping ID	Alphanumeric	
Container Gross Weight*	Numeric	9999v9
Container Gross Weight - Source	A,E	Even when set to E, *PostalOne!* always processes container gross weight as actual.
Container Height	Numeric	Value in inches, no decimal.
Container Height - Source	A,E	
EMD - 8125 ASN Barcode	Alphanumeric	
Transportation DUNS Number	Alphanumeric	Deleted in 09-1
Transportation Carrier ID	Numeric	New for 09-1. USPS ID (The Mail.dat specification says alphanumeric.)
Container Level Attempted	Alphanumeric	Deleted in 09-1.
FAST Content ID	Alphanumeric	Version 09-1 only. USPS FAST ID.
FAST Scheduler ID	Numeric	Version 09-1 only. USPS ID.
USPS Pick Up	Y,N,' ' (blank)	Version 09-1 only. Used for DMU-verified, USPS-transported mail.. This field is required when mailing has full-service mailpieces.
CSA Trip ID	Alphanumeric	Used for DMU-verified, USPS-transported mail when USPS pick up is Y.
Scheduled Ship Date	Date	Version 09-1 only. YYYYMMDD. Example: 20080820. Required for DMU-verified, USPS-transported mail.
Schedule Ship Time	Time	Version 09-1 only. HH:MM. Example: 19:00. Required for DMU-verified, USPS-transported mail.
Special Condition On Limit	OV,UF,SM,SN,OM	
DMM Section Defining Container Preparation	Alphanumeric	Allows up to 12 characters. Minimum is 3 characters.
Alternate Method Defining Preparation	Alphanumeric	
"Zebra Stripe" Indicator	Z,N	Deleted in 09-1.
Label: IM Container or IM Tray Barcode	Alphanumeric	See USPS Specification 24 characters for trays or sacks. For pallets, use 21 characters; populate the leftmost 21 characters

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Field	Acceptable Values	Notes
Label: 10-Character Container Barcode	Alphanumeric	Optional, for the 10 characters on the IMB 10/24 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	
Label: Container Label CIN Code	Alphanumeric	
Label: Container Label Type	1,2,3,4	
CSM Record Status	O,I,U	08-2 only. Moved in 09-1. Acceptable values dependent on file type. If inserting or updating a container that is not a sibling container then the Container Quantity (CQT) and Package Quantity Record (PQT) are required. In the case of Full-Service, if sending the Container Summary Record (CSM), the PDR (Piece Detail Record) and the IMR (Intelligent Mail Range) are also required.
Container Contains Overflow Indicator	Y,N	
FAST Content ID	Alphanumeric	Only for 08-2. Moved in 09-1. Required for recurring reservation numbers.
FAST Scheduler ID	Numeric	Only for 08-2. Moved in 09-1.
IM Barcode Upper Serialization	Alphanumeric	Deleted in 09-1. See IMR file.
IM Barcode Lower Serialization	Alphanumeric	Deleted in 09-1. See IMR file.
USPS Pick Up*	Y,N,' ' (blank)	Only for 08-2. Moved in 09-1. This field is required when the *CSA ID* is populated.
User Option Field	Alphanumeric	New for 09-1.
CSM Record Status	O,I,U	New location for 09-1. If inserting or updating a container that is not a sibling container then the Container Quantity (CQT) and Package Quantity Record (PQT) are required. In the case of Full-Service, if sending the Container Summary Record (CSM), the PDR (Piece Detail Record) and the IMR (Intelligent Mail Range) are also required.
Reserve	Alphanumeric	
Closing Character	#	

Container Summary Record - Container Type Values

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

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Table C- 12. 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
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)	Used in some cases to place bundles on pallets.
W = Walled Unit	Not mapped for Periodicals
Z = User Pallet	Pallet

Container Summary Record - Container Level Values

For Outside-County Periodicals Container Level (.csm) values map to the following chargeable container levels.

Table C- 13. Container Level Values

Mail.dat Value	Container Level Price
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

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Mail.dat Value	Container Level Price
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
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 Container	Mixed ADC/AADC

Container Summary Record - Entry Point for Entry Discount

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

Table C- 14. 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

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Mail.dat Value	Container Entry
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

Original Container Identification Record

This record type is new with version 09-1 and *PostalOne!* Release 22. Prior to Release 22, the *PostalOne!* system will allow the .OCI (Original Container Identification Record) to be included in a file set; however it will not perform any validations, upload or store those records.

Table C- 15 . Original Container Identification Record – OCI

Field	Acceptable Values	Notes
Job ID	Alphanumeric	If numeric only, fill left with zeroes. No special characters allowed. Required
Container ID	Alphanumeric	Must match a container ID in the CSM. Required
Original Job ID	Alphanumeric	Must match a previously submitted Job ID. Required
Original User License Code	Alphanumeric	Must match the User License Code for the Original Job ID. Required The Postal Service systems treat the Original User License Code as case sensitive.
Original Segment ID	Alphanumeric	Must match a Segment ID for the Original Job ID. Required
Original Container ID	Numeric	Must match a Container ID for the Original Job ID. Required
Original Display Container ID	Alphanumeric	Must match the Display Container ID for the Original Job ID and Container ID
Original Label: IM Container or IM Tray Barcode	Alphanumeric	Must match the Label: IM Container or IM Tray Barcode for the Original Job ID and Container ID

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Original Mail.XML Job ID	Alphanumeric	Not used by PostalOne!
Original Mail.XML Customer Group ID	Alphanumeric	Not used by PostalOne!
Original Mail.XML Mailing Group ID	Alphanumeric	Not used by PostalOne!
Original Mail.XML Container ID	Numeric	Not used by PostalOne!
OCI Record Status	Alphanumeric	Not used by PostalOne!
Reserve	Alphanumeric	
Closing Character	#	

Intelligent Mail Range Record

This record type is new with version 09-1. The full-service option (.seg record type Full-service Participation Indicator is either M or F) requires either the IMR or the PDR record type to send data for a Mail.dat job. A Mail.dat job cannot have a mixture of IMR and PDR files. IMR pieces must equal the total pieces in each non-parent CSM container.See the *Guide to Intelligent Mail for Letters and Flats* for guidance on what record type to use.

Table C- 16. Intelligent Mail Range Record - .IMR

Field	Acceptable Values	Notes
Job ID	Alphanumeric	Must match Job ID of Header.
Container ID	Numeric	Must match container ID in CSM file.
IMR Unique ID	Alphanumeric	If numeric only, fill left with zeroes.
Class	1,2,3,4	Pending Periodicals use 2 for Periodicals
IM Barcode Lower Serialization	Numeric	Must be less than or equal to *IM Barcode Upper Serialization* number.
IM Barcode Upper Serialization	Numeric	Must be greater than or equal to the *IM Barcode Lower Serialization* number.
Mailer ID of Mail Owner	Numeric	See the section on Full-service Data Distribution.
CRID of Mail Owner	Numeric	See the section on Full-service Data Distribution.
Mailer ID of Preparer	Numeric	See the section on Full-service Data Distribution.
CRID of Preparer	Numeric	See the section on Full-service Data Distribution.
Service Level Indicator	B,F,P,O	See note in Container Quantity file field Service Level Indicator
Piece Count	Numeric	The total number of pieces with each separate Service Level Indicator for a Container ID must be between the total number of pieces and the total number of copies with the same Service Level Indicator in the CQT records for the same Container ID.
IMR Record Status	O,D,U	I is not supported
Reserve	Alphanumeric	
Closing Character	#	

International Container Label Record - Ignore

This record type is only available for 08-2 files. The *PostalOne!* system will allow the .ICL (International Container Label Record) to be included in a file set; however it will not perform any validations, upload or store those records.

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Container Quantity Record

Table C- 17. Container Quantity Record - .CQT

Field	Acceptable Values	Notes
Job ID	Alphanumeric	Must match Job ID of Header.
CQT Database ID	Numeric	If numeric only, fill left with zeroes.
Container ID	Numeric	Must match Container ID in CSM.
3 Digit / 5 Digit Container Division	Alphanumeric	
Mail Piece Unit ID	Alphanumeric	Must match MPU ID in MPU.
Zone	S, D, L, 1, 3, 4, 5, 6, 7, 8, N or V	If *Periodicals: Not County/In County* is "I": D or N. If *Periodicals: Not County/In County* is "N", D, S, V, 1, 2, 3, 4, 5, 6, 7, or 8. If Bound Printed Matter, 1, 3, 4, 5, 6, 7, 8, S, D and N. If First-Class Mail, Standard Mail, Media Mail or Library Mail: N. If Parcel Post: 1, 3, 4, 5, 6, 7, 8, L, and N. If Priority Mail: 1, 3, 4, 5, 6, 7, or 8.
Destination Entry	B,S,D,N,A,O,P,Q	P and Q are accepted only for Package Services.

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Field	Acceptable Values	Notes
Rate Category	See list by class and processing category where indicated. CQT records representing full-service mailpieces must use automation rate categories.	First-Class Mail: E,H,L1,L2,L3,L4,L5,N, S,G,K. Priority Mail: S Media and Library Mail: S,N,G Bound Printed Matter: S,N,D Parcel Post: S,Z1,Z2,G,K Standard Mail Custom Market Mail: N Standard Mail Letters: A,B,D,E,G,H,K, L1,L2,L3,AF,BF,KF,GF,DF,L3, L5,L6,L7,L8,N5,N6,NF, NG,NK, O Standard Mail Flats: A,B,D,E,G,H,K,L3, L4,L5,L6 For Mail.dat 09-1 Standard Mail letters paid as flats use the processing category letters and rate categories G, K, L5, L6. For Mail.dat 09-1 Standard Mail ECR letters paid as ECR flats use the processing category letters and rate categories AF, BF, DF Standard Mail Parcels: A,B,D,PE,PG, PI,PK,PM,PQ,PR,P5,P6,P7,P8 Machinable Parcels (Processing Category MP): A,B,D,PE,PQ,PR Irregular Parcels (Processing Category IR): A,B,D,P5,P6,P7,P8,PG,PI,PK,PM Standard Mail NFM: NG,NK,N5,N6 Periodicals: A,B,D,E,G,H,K,L,N,O,L1, L2,L3,L4,L5,L6,FB,AF,KF,BF,GF,DF,N F
Barcode Discount or Surcharge Indicator	O,B,D,S	This field affects prices in some cases. When the Mail Class is 3 (Standard Mail), only the values B and S may be used. When the Mail Class is 4, only the values B and D may be used. This field should be left blank or value O for other classes.
Periodicals: Sub/ Non-Sub/ Requester Indicator	S,N,R,O	For Periodicals must be S, N or R.
Periodicals: Not County/In County	N,I,O	For Periodicals must be I or N. For other classes of mail must be O.
Number of Copies	Numeric	Number of copies must equal number of pieces except for Periodicals firm bundles.

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Field	Acceptable Values	Notes
Number of Pieces	Numeric	
CQT Record Status	O,U	Only for 08-2. Moved in 09-1.
Periodicals Co-Palletization Discount Indicator	Y,N	Exists for mailer convenience.
Exp Per HE,HW, SC Pub - Origin Delivery Zone	Numeric	Exists for mailer convenience.
Exp Per HE,HW, SC Pub - Origin 3-Digit Zip	Numeric	Exists for mailer convenience.
ZAP Agent Code	Numeric	For Periodicals Only for 08-2. Moved in 09-1.
Container Charge Allocation	Numeric	9v999999 Used For Periodicals container charges when SEG Less Than a Presort Segment Presentation is Y = Yes
Service Level Indicator	F,B,P,O	In Release 22, the value "F" may only be used with full-service eligible rate categories. First Class Mail Full-Service Eligible Rate Categories: E = 5-Digit H = 3-Digit L1 = AADC L2 = Mixed AADC Standard Mail Letters Full-Service Eligible Rate Categories: E = 5-Digit H = 3-Digit L1 = AADC L2 = Mixed AADC Standard Mail Flats Full-Service Eligible Rate Categories: E = 5-Digit H = 3-Digit L3 = ADC L4 = Mixed ADC Standard Mail Letters Paid Flats Full-Service Eligible Rate Categories: BF = HD-ECR Ltr (Pd Flt), KF = 3D Ltr (Pd Flt), GF = 5D Ltr (Pd Flt), DF = CR Ltr (Pd Flt), or NF = Bas Ltr (Paid Bas Flt) Standard Mail Enhanced Carrier Route (ECR) Letters Full-Service Eligible Rate Categories: A = Saturation – ECR B = High Density – ECR D = Carrier Route O = CR – Barcode Standard Mail Enhanced Carrier Route (ECR) Flats Full-Service Eligible Rate Categories:

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Field	Acceptable Values	Notes
		B = High Density – ECR D = Carrier Route O = CR – Barcode Bound Printed Matter Full-Service Eligible Rate Categories: E = 5-digit H = 3-digit L3 = ADC L4 = Mixed ADC A = Saturation – ECR B = High Density – ECR D = Carrier Route O = CR – Barcode For Periodicals Full-Service Eligible Rate Categories must be for a processing category letter or flat and have an automation or carrier route rate category. The value “B” and “P” may only be used with automation or carrier route eligible rate categories
ZAP Agent Code	Numeric	New location for 09-1. Exists for mailer convenience. For Periodicals, *PostalOne!* uses the HDR Software Vendor’s ZAP Option.
CQT Record Status	O,U	I is not supported.
Reserve	Alphanumeric	
Closing Character	#	

NOTE: In Release 22, if there are any CQT rate categories in the segment that do not qualify for automation or carrier route prices, PostalOne! Will reject the Mail.dat file with the error message “For a Mixed mailing or for Full-service prices, all mailpieces in the segment must qualify for automation prices: see CQT records [list CQT records by SEG ID, CQT DB ID and incorrect CQT rate category up to 1000 characters].

CQT Rate Category and Qualification Report Price Level

For Periodicals Mail, the CQT Rate Category is mapped to the piece postage lines in the Periodicals postage statement. The following tables for Periodicals In-County – Rate Category and Corresponding Price Level and Periodicals Outside-County – Rate Category and Corresponding Price Level show the correspondence to the displayed Price Level in the Qualification Report for each processing category FL = Flats, IR = Parcels and LT = Letters.

Table C- 18. Periodicals In-County – Rate Category and Corresponding Price Level

Rate Category	Rate Category Description	Processing Category	Price Level	Price Level Description
A	Saturation ECR	FL	WS	Carrier Route Saturation
B	High Density ECR	FL	HD	Carrier Route High Density
D	Carrier Route	FL	CR	Carrier Route Basic

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Rate Category	Rate Category Description	Processing Category	Price Level	Price Level Description
E	5-Digit Barcode	FL	5B	Auto 5-Digit
H	3-Digit Barcode	FL	3B	Auto 3-Digit
L	Basic Barcode	FL	BB	Barcode Basic
G	5-Digit Non-Barcode	FL	5D	Presort 5-Digit
K	3-Digit Non-Barcode	FL	3D	Presort 3-Digit
N	Basic Nonautomation	FL	PSRT	Presorted
A	Saturation ECR	IR	WS	Carrier Route Saturation
B	High Density ECR	IR	HD	Carrier Route High Density
D	Carrier Route	IR	CR	Carrier Route Basic
E	5-Digit Barcode	IR	5B	Auto 5-Digit
H	3-Digit Barcode	IR	3B	Auto 3-Digit
L	Basic Automation	IR	BB	Barcode Basic
G	5-Digit Non-Barcode	IR	5D	Presort 5-Digit
K	3-Digit Non-Barcode	IR	3D	Presort 3-Digit
N	Basic Nonautomation	IR	PSRT	Presorted
A	Saturation ECR	LT	WS	Carrier Route Saturation
AF	Saturation Letter - ECR (Pd Flt)	LT	WS	Carrier Route Saturation
B	High Density ECR	LT	HD	Carrier Route High Density
BF	High Density Letter - ECR (Pd Flt)	LT	HD	Carrier Route High Density
D	Carrier Route	LT	CR	Carrier Route Basic
DF	Carrier Route Letter (Pd Flt)	LT	CR	Carrier Route Basic
E	5-Digit Barcode	LT	5B	Auto 5-Digit
H	3-Digit Barcode	LT	3B	Auto 3-Digit
L	Basic Automation	LT	BB	Barcode Basic
G	5-Digit Non-Barcode	LT	5D	Presort 5-Digit
GF	5-Digit Letter (Pd Flt)	LT	5D	Presort 5-Digit
K	3-Digit Non-Barcode	LT	3D	Presort 3-Digit
KF	3-Digit Letter (Pd Flt)	LT	3D	Presort 3-Digit
N	Basic Nonautomation	LT	PSRT	Presorted
NF	Basic Letter (Pd Flt)	LT	PSRT	Presorted

Table C- 19. Periodicals Outside-County – Rate Category and Corresponding Price Level

Rate Category	Rate Category Description	Processing Category	Price Level	Price Level Description
A	Saturation ECR	FL	WS	Carrier Route Saturation
B	High Density ECR	FL	HD	Carrier Route High Density
D	Carrier Route	FL	CR	Carrier Route Basic
E	5-Digit Barcode	FL	5B	Auto 5-Digit
H	3-Digit Barcode	FL	3B	Auto 3-Digit
L3	ADC Barcode	FL	AB	Auto ADC/AADC
L4	Mixed ADC Barcode	FL	MB	Auto Mixed ADC/AADC

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Rate Category	Rate Category Description	Processing Category	Price Level	Price Level Description
G	5-Digit Non-Barcode	FL	5D	Presort 5-Digit
K	3-Digit Non-Barcode	FL	3D	Presort 3-Digit
L5	ADC Non-Barcode	FL	AD	ADC Presort
L6	Mixed ADC Non-Barcode	FL	MD	Mixed ADC Presort
FB	Outside County Firm Bundle	FL	FB	Firm Bundle
A	Saturation ECR	IR	WS	Carrier Route Saturation
B	High Density ECR	IR	HD	Carrier Route High Density
D	Carrier Route	IR	CR	Carrier Route Basic
E	5-Digit Barcode	IR	5B	Auto 5-Digit
H	3-Digit Barcode	IR	3B	Auto 3-Digit
L3	ADC Barcode	IR	AB	Auto ADC/AADC
L4	Mixed ADC Barcode	IR	MB	Auto Mixed ADC/AADC
G	5-Digit Non-Barcode	IR	5D	Presort 5-Digit
K	3-Digit Non-Barcode	IR	3D	Presort 3-Digit
L5	ADC Non-Barcode	IR	AD	ADC Presort
L6	Mixed ADC Non-Barcode	IR	MD	Mixed ADC Presort
FB	Outside County Firm Bundle	IR	FB	Firm Bundle
A	Saturation ECR	LT	WS	Carrier Route Saturation
AF	Saturation Letter - ECR (Pd Flt)	LT	WS	Carrier Route Saturation
B	High Density ECR	LT	HD	Carrier Route High Density
BF	High Density Letter - ECR (Pd Flt)	LT	HD	Carrier Route High Density
D	Carrier Route	LT	CR	Carrier Route Basic
DF	Carrier Route Letter (Pd Flt)	LT	CR	Carrier Route Basic
E	5-Digit Barcode	LT	5B	Auto 5-Digit
H	3-Digit Barcode	LT	3B	Auto 3-Digit
L1	AADC Barcode	LT	AB	Auto ADC/AADC
L2	Mixed AADC Barcode	LT	MB	Auto Mixed ADC/AADC
G	5-Digit Non-Barcode	LT	5D	Presort 5-Digit
GF	5-Digit Letter (Pd Flt)	LT	5D	Presort 5-Digit
K	3-Digit Non-Barcode	LT	3D	Presort 3-Digit
KF	3-Digit Letter (Pd Flt)	LT	3D	Presort 3-Digit
L7	AADC Non-Barcode	LT	AD	ADC Presort
L8	Mixed AADC Non-Barcode	LT	MD	Mixed ADC Presort
NF	Basic Letter (Pd Flt)	LT	PSRT	Presorted
FB	Outside County Firm Bundle	LT	FB	Firm Bundle

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For Standard Mail, the CQT Rate Category is mapped to the piece postage lines in the Periodicals postage statement. The following table for Standard Mail – Rate Category and Corresponding Price Level show the correspondence to the displayed Price Level in the Qualification Report for each processing category FL = Flats, IR = Parcels, LT = Letters, MP = Machinable Parcel, NF = Not Flat Machinable.

For Standard Mail Parcels and Not Flat Machinables:

(1) Rate categories PK, PM, NK display 3-Digit Price Level 3D where the DMM says SCF.
(2) Rate categories P5 and N5 display ADC Price Level AD where the DMM says BMC.
(3) Rate categories P6, P8 Mixed ADC display Price Level MD where the DMM says Mixed BMC.
(4) Rate category N6 displays Price Level MP for processing category LT and the Price Level MD for processing category NF where the DMM says Mixed BMC.

Table C- 20. Standard Mail – Rate Category and Corresponding Price Level

Rate Category	Rate Category Description	Processing Category	Price Level	Price Level Description
N	Basic (1C/4C Presort)	CM	PSRT	Presorted
A	Saturation ECR	FL	WS	Carrier Route Saturation
B	High Density ECR	FL	HD	Carrier Route High Density
D	Carrier Route	FL	CR	Carrier Route Basic
E	5-Digit Barcode	FL	5B	Auto 5-Digit
H	3-Digit Barcode	FL	3B	Auto 3-Digit
L3	ADC Barcode	FL	AB	Auto ADC/AADC
L4	Mixed ADC Barcode	FL	MB	Auto Mixed ADC/AADC
G	5-Digit Non-Barcode	FL	5D	Presort 5-Digit
K	3-Digit Non-Barcode	FL	3D	Presort 3-Digit
L5	ADC Non-Barcode	FL	AD	ADC Presort
L6	Mixed ADC Non-Barcode	FL	MD	Mixed ADC Presort
PG	5-Digit Non-Machinable	IR	5D	Presort 5-Digit
PI	5-Digit (Std Prcl Piece Rate)	IR	5D	Presort 5-Digit
PK	3-Digit Non-Machinable	IR	3D	Presort 3-Digit
PM(1)	3-Digit	IR	3D	Presort 3-Digit
P5(2)	ADC Non-Machinable	IR	AD	ADC Presort
P6(3)	Mixed ADC Non-Machinable	IR	MD	Mixed ADC Presort
P7	ADC	IR	AD	ADC Presort
P8	Mixed ADC	IR	MD	Mixed ADC Presort
A	Saturation ECR	LT	WS	Carrier Route Saturation
B	High Density ECR	LT	HD	Carrier Route High Density
D	Carrier Route	LT	CR	Carrier Route Basic
AF	Saturation Letter - ECR (Pd Flt)	LT	WS	Carrier Route Saturation
BF	High Density Letter - ECR (Pd Flt)	LT	HD	Carrier Route High Density
DF	Carrier Route Letter (Pd Flt)	LT	CR	Carrier Route Basic

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Rate Category	Rate Category Description	Processing Category	Price Level	Price Level Description
E	5-Digit Barcode	LT	5B	Auto 5-Digit
H	3-Digit Barcode	LT	3B	Auto 3-Digit
L1	AADC Barcode	LT	AB	Auto ADC/AADC
L2	Mixed AADC Barcode	LT	MB	Auto Mixed ADC/AADC
L7	AADC Non-Barcode	LT	AB	Machinable AADC
L8	Mixed AADC Non-Barcode	LT	MB	Machinable Mixed AADC
N5	BMC	LT	BP	Standard Mail BMC
N6(4)	Mixed BMC	LT	MP	Mixed BMC Standard
G	5-Digit Non-Barcode	LT	5D	Presort 5-Digit
K	3-Digit Non-Barcode	LT	3D	Presort 3-Digit
L5	ADC Non-Barcode	LT	AD	ADC Presort
L6	Mixed ADC Non-Barcode	LT	MD	Mixed ADC Presort
GF	5-Digit Letter (Pd Flt)	LT	5D	Presort 5-Digit
KF	3-Digit Letter (Pd Flt)	LT	3D	Presort 3-Digit
N	Basic (1C/4C Presort)	LT	PSRT	Presorted
NF	Basic Letter (Pd Flt)	LT	PSRT	Presorted
PE	5-Digit Machinable	MP	5D	Presort 5-Digit
PQ	BMC Machinable	MP	BP	Standard Mail BMC
PR	Mixed BMC Machinable	MP	MP	Mixed BMC Standard
NG	5-Digit	NF	5D	Presort 5-Digit
NK(1)	3-Digit	NF	3D	Presort 3-Digit
N5(2)	ADC	NF	AD	ADC Presort
N6(4)	Mixed ADC	NF	MD	Mixed ADC Presort

For First Class Mail, the CQT Rate Category is mapped to the piece postage lines in the Periodicals postage statement. The following table for First Class Mail – Rate Category and Corresponding Price Level show the correspondence to the displayed Price Level in the Qualification Report for each processing category FL = Flats, and PF = First Class Parcel.

Table C- 21. First-Class Mail – Rate Category and Corresponding Price Level

Rate Category	Rate Category Description	Processing Category	Price Level	Price Level Description
E	5-Digit Barcode	FL	5B	Auto 5-Digit
H	3-Digit Barcode	FL	3B	Auto 3-Digit
L3	ADC Barcode	FL	AB	Auto ADC/AADC
L4	Mixed ADC Barcode	FL	MB	Auto Mixed ADC/AADC
N	Basic (1C/4C Presort)	FL	PSRT	Presorted
S	Single Piece	FL	SP	Single-Piece
E	5-Digit Barcode	LT	5B	Auto 5-Digit
H	3-Digit Barcode	LT	3B	Auto 3-Digit
L1	AADC Barcode	LT	AB	Auto ADC/AADC

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Rate Category	Rate Category Description	Processing Category	Price Level	Price Level Description
L2	Mixed AADC Barcode	LT	MB	Auto Mixed ADC/AADC
N	Basic (1C/4C Presort)	LT	PSRT	Presorted
S	Single Piece	LT	SP	Single-Piece
G	5-Digit Barcode	PF	5D	Presort 5-Digit
K	3-Digit Non-Barcode	PF	3D	Presort 3-Digit
S	Single Piece	PF	SP	Single-Piece
L5	ADC	PF	AD	ADC Presort

For Parcel Select, the CQT Rate Category is mapped to the piece postage lines in the Periodicals postage statement. The following table for Parcel Select – Rate Category and Corresponding Price Level shows the correspondence to the displayed Price Level in the Qualification Report for Processing Categories MP = Machinable Parcel, IR = Irregular Parcel, OS = Outside Parcel, and NP = Non machinable Parcel.

Table C- 22. Periodicals Outside-County – Rate Category and Corresponding Price Level

Rate Category	Rate Category Description	Price Level	Price Level Description
Z1	Par Post (BMC Sort)	BMC	BMC Presort
Z2	Par Post (OBMC Sort)	OBMC	OBMC Presort

Package Quantity Record

Table C- 23. Package Quantity Record - .PQT

Field	Acceptable Values	Notes
Job ID	Alphanumeric	Must match Job ID of Header.
CQT Database ID	Numeric	Must match CQT Database ID in CQT.
Package ID	Alphanumeric	The package ID must be unique within a container. 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 bundle prices for Periodicals. For more information, see the Package Level Values table.
Package Barcode	Alphanumeric	

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Field	Acceptable Values	Notes
Number of Copies	Numeric	Number of copies must equal number of pieces except for Periodicals firm bundles.
Number of Pieces	Numeric	
Package Status	C, ‘ ‘ (blank)	
PQT Record Status	O,I,U	Only for 08-2. Moved in 09-1.
Bundle Charge Allocation	Numeric	9v999999. Used For Periodicals bundle charges when SEG Less Than a Presort Segment Presentation is Y = Yes.
PQT Record Status	O, I, U	New location for 09-1. “I” is accepted only for Standard Mail, and is only partially supported.
Reserve	Alphanumeric	
Closing Character	#	

Package Quantity Record - Package Level Values

For Outside-County Periodicals mailings, Package Level (.pqt) maps to the following chargeable bundle levels:

Table C- 24. 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
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

Must be present for Rate Category field in the CQT record is set to “A” (Saturation–ECR)

Table C- 25. Walk Sequence Record - .WSR

Field	Acceptable Values	Notes
Job ID	Alphanumeric	Must match Job ID of Header.
Segment ID	Alphanumeric	Must match Seg ID of Segment.

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Field	Acceptable Values	Notes
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,I,U	Acceptable values dependent on file type.
Reserve	Alphanumeric	
Closing Character	#	

Seed Name Record - Ignore

The *PostalOne!* system will allow the .SNR (Seed Name Record) to be included in a file set; however it will not perform any validations, upload or store those records.

Package Label Record - Ignore

The *PostalOne!* system will allow the .PLR (Package Label Record) to be included in a file set; however it will not perform any validations, upload or store those records.

NOTE: The .PLR is intended for Canadian mail and the *PostalOne!* system does not support Canadian mail in a Mail.dat file.

IJ/C Relationship Record - Ignore

The *PostalOne!* system will allow the .ICR (IJ/C Relationship Record) to be included in a file set; however it will not perform any validations, upload or store those records.

Piece Detail Record

The full-service option (.seg record type Full-service Participation Indicator is either M or F) requires either the IMR or the PDR record type to send data for a Mail.dat job. A Mail.dat job cannot have a mixture of IMR and PDR files. See the *Guide to Intelligent Mail for Letters and Flats* for guidance on what record type to use.

Table C- 26. Piece Detail Record - .PDR

Field	Acceptable Values	Notes
Job ID	Alphanumeric	Must match Job ID of Header.
CQT Database ID	Numeric	Must match CQT Database ID of .CQT.
Package ID	Alphanumeric	Must match Package ID of .PQT.
Piece ID	Alphanumeric	If numeric only, fill left with zeroes. For all classes of mail, the *PostalOne!* system Mail.dat validation will allow the number of piece records in the PDR file for a Container ID to be within the range of copy count to piece count inclusive for the CSM data for that container ID.
Piece Barcode	Numeric	Required, must be left justified.
Line-Of-Travel Sequence Number	Numeric	

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Field	Acceptable Values	Notes
Line-Of-Travel Seq. Direction Code	Alphanumeric	
Walk Sequence Number	Numeric	
"Wasted or Shortage Piece" Indicator	S,W,Y, X,T,' ' (space/blank)	Version 08-2 only accepts values Y or ' '. Version 09-1 only accepts W, S, X, T, or ' '. For both versions 08-2 and 09-1 PostalOne ignores this field for postage processing. Use the PAR file for postage processing.
Delivery Signature Confirmation ID	Alphanumeric	
IM™ Barcode	Alphanumeric (numeric with possible leading zero)	May be 34 numeric characters for packages, but cannot be more than 31 numeric characters for letters, card and flats. Required for the full-service option. Must be left justified.
Planet Code	Alphanumeric	
PDR Record Status	O,I,U	Only for 08-2. Moved in 09-1.
MLOCR Rate and Postage Marking	Alphanumeric	
Machine ID	Alphanumeric	
Mailer ID of Mail Owner	Numeric	Deleted in 09-1.
Mailer ID of Barcode Applicator	Numeric	
Move Update Method	0,1,2,3,4,5,6,7	New for 09-1: 6 and 7
ACS Key Line Data	Alphanumeric	New for 09-1. Do not include pound signs (#), dashes (-), or spaces.
PDR Record Status	O,I,U	New location for 09-1.
Reserve	Alphanumeric	
Closing Character	#	

Special Fees/Charges Record - Ignore

The *PostalOne!* system will allow SFR (Special Fees/Charges Record) to be included in a file set; however it will not perform any validations, upload or store those records.

Manifest Individual Record - Ignore

PostalOne! ignores this record type. If the .HDR Presentation Category is I, the Mail.dat file is processed as though the Presentation Category were P. The *PostalOne!* system will allow MIR (Manifest Individual Record) to be included in a file set; however it will not perform any validations, upload or store those records.

Manifest Summary Record - Ignore

If the .HDR Presentation Category is S, the Mail.dat file is processed as though the Presentation Category were P. The *PostalOne!* system will allow MSR (Manifest Summary Record) to be included in a file set; however, it will not perform any validations, upload, or store those records.

Postage Adjustment Record

Do not include .par files for Periodicals or MLOCR mailings.

Table C- 27. Postage Adjustment Record - .PAR

Field	Acceptable Values	Notes

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Field	Acceptable Values	Notes
Job ID	Alphanumeric	Must match Job ID of .MCR.
Segment ID	Alphanumeric	Must match Seg ID of .MCR.
Mail Piece Unit ID	Alphanumeric	Must match MPU ID of .MCR.
Component ID	Alphanumeric	Must match CPT ID of .MCR.
Sequence Number	Numeric	Must make this record unique in the .PAR.
PSR Unique Record Identifier	Numeric	New for 09-1.
Rate Type	Alphanumeric	New for 09-1.
User Postage Statement ID	Alphanumeric	New for 09-1. Identifies postage statement to adjust using user-defined statement ID.
USPS Postage Statement ID	Numeric	New for 09-1. Identifies postage statement to adjust using USPS-defined statement ID.
Date	Date	YYYYMMDD - Example: 20061225.
Adjustment Type	3.4	
Adjustment Amount	Numeric	999999v111.
Credit/Debit Indicator	D	
Total Pieces Affected	Numeric	
User Comments	Alphanumeric	
PAR Record Status	O,I,U	Only for 08-2. Moved in 09-1.
Adjustment Status	R	
MPA - Unique Sequence/Grouping ID	Alphanumeric	Must match MPA ID of .MCR.
User Option Field	Alphanumeric	New for 09-1.
PAR Record Status	O,I,U	New location for 09-1.
Reserve	Alphanumeric	
Closing Character	#	

Information Access Key File Record - Ignore

This record type is only available for Mail.dat 08-2 files. The *PostalOne!* system will allow IAK (Information Access Key) to be included in a file set; however, it will not perform any validations, upload, or store those records.

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Appendix D. 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 or Owner 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 or Owner features in the *PostalOne!* system.

NOTE: Errors produced by the database are not included in this Appendix. Generally, a database error begins with "ORA-" followed by a number. If you should receive one of these errors, confirm your data is formatted correctly (numeric fields do not contain letters, etc.). If your data appears to be correct, contact the *PostalOne!* System Help Desk with the error message.

Issue Resolution

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 no resolution is suggested, 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.
- Verify the all of the data being sent is in the correct format, and does not conflict with other sections of the files and/or postal regulations for the claimed mail classes and rates. Generally, you must correct the error(s) before you will be able to successfully resubmit the file if you have a data issue.

Processing Order

Mail.dat submissions are processed in the following order:

1. Mail.dat Client
2. Upload Server
3. Mail.dat Package

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4. Mail.XML Server
5. Database

Mail.dat Client (Version 09-1 Files)

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. The error messages have not yet been updated for Release 22. This will be done in a future version of this technical specification.

Key to Mailer Role Codes

The following mailer roles may be indicated by the listed codes in the error messages for the *PostalOne!* Mail.dat Client for 09-1 and later files:

- PH = Permit Holder
- MA = Mailing Agent
- MO = Mailing Owner
- AP = Permit Holder Additional Postage
- PU = Publisher

Table D- 1. Mail.dat Client Error Messages (Version 09-1 Files)

Error Number	Error Message	Error Location
0001	For Mixed Full-Service Processing, the .seg Full-Service Participation Indicator contains an invalid value; it must contain M.	.seg
0002	For Mixed Full-Service Processing, the .seg Class Defining Preparation contains an invalid value; it must contain 1, 2, 3 or 4.	.seg
0003	For Mixed Full-Service Processing, the .mpu Mail Piece Unit - Rate Type contains an invalid value; it must contain B, R, N, S, C, W, or Y.	.mpu
0004	For Mixed Full-Service Processing, the .mpu Mail Piece Unit - Processing Category contains an invalid value, it must contain LT, FL, or CD.	.mpu
0005	For Mixed Full-Service Processing,the .mpu Country contains an invalid value, it must contain USA.	.mpu
0006	For Mixed Full-Service Processing, the .mpa Postage Payment Method contains an invalid value, it must contain P, S, G, L, C, M or T.	.mpa
0007	For Mixed Full-Service Processing, the .cpt Component Class contains an invalid value, it must contain 1, 2, 3, 4 or 5.	.cpt
0008	For Mixed Full-Service Processing, the .cpt Component Rate Type contains an invalid value for Standard Mailpieces. it must contain R, N, M or Z.	.cpt
0009	For Mixed Full-Service Processing, the .cpt Component Rate Type contains an invalid value for Periodicals. it must contain R, N, S, C, W, Y, H, Z or M.	.cpt
0010	For Mixed Full-Service Processing, the .imr Service Level Indicator contains an invalid value, it must contain F, B, P or O.	.imr
0011	For Mixed Full-Service Processing, the .cqt Service Level Indicator contains an invalid value; it must contain F, B, P or O.	.cqt

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Error Number	Error Message	Error Location
0012	For MLOCR Mailings, the jobs can only contain one segment record.	Multiple files
0013	For MLOCR Mailings, the .seg Class Defining Preparation must be equal to 1 or 3.	Multiple files
0014	For MLOCR Mailings, the .seg Class Defining Preparation must be either 1 or 3 but not both throughout the entire job.	Multiple files
0015	For MLOCR Mailings, the .mpu Mailpiece Unit - Processing Category must be equal to LT, FL, or CD.	Multiple files
0016	For MLOCR Mailings, the .mpu Mailpiece Unit - Processing Category must be LT when the .seg Class Defining Preparation is 3.	Multiple files
0017	For MLOCR Mailings, the .mpu Mailpiece Unit - Weight must be less than or equal to 1 ounce when the .mpu Mailpiece Unit - Processing Category is LT or CD, and the .mpa Postage Payment Method is S, and the .seg Class Defining Preparation is 1.	Multiple files
0018	For MLOCR Mailings, the .mpu Mailpiece Unit - Weight must be less than or equal to 3.3 ounces when the .mpu Mailpiece Unit - Processing Category is LT, and the .mpa Postage Payment Method is S, and the .seg Class Defining Preparation is 1.	Multiple files
0019	For MLOCR Mailings, the .mpu Mailpiece Unit - Weight must be less than or equal to 3.5 ounces when the mpu Mailpiece Unit - Processing Category is LT or CD, and the .mpa Postage Payment Method is L, C, P, or M, and the .seg Class Defining Preparation is 1.	Multiple files
0020	For MLOCR Mailings, the .mpu Mailpiece Unit - Weight must be less than or equal to 13 ounces when the .mpu Mailpiece Unit - Processing Category is FL, and the .mpa Postage Payment Method is L, C, P, or M, and the .seg Class Defining Preparation is 1.	Multiple files
0021	For MLOCR Mailings, the .mpu Mailpiece Unit - Weight must be less than or equal to 3.3 ounces when the .mpu Mailpiece Unit - Processing Category is LT, and the .mpa Postage Payment Method is L, C, P, or M, and the .seg Class Defining Preparation is 3.	Multiple files
0022	For MLOCR Mailings, there cannot be more than 13 different weight increments when the .mpa Postage Payment Method is P, and the .seg Class Defining Preparation is 1, and the .mpu Mailpiece Unit - Processing Category is FL.	Multiple files
0023	For MLOCR Mailings, the .mpa Permit Zip+4 submitted does not map back to a valid finance number in the P Permit table.	Multiple fields
0024	For a One-Pass MLOCR Mailing, the only fields that are allowed to be updated are: .cqt Number Of Pieces, .cqt Rate Category, .seg Presentation Category, .csm Container Status, .csm Container Barcode, .csm Label: IM Container or Tray Barcode, .csm Label: 10 Character Container Barcode, .csm Container ID, .csm Reservation Number, .csm Fast Schedule ID, .csm Schedule Induction Date, .csm Scheduled Induction Ship Date, .csm Scheduled Induction Ship Time, .csm Scheduled Induction Time, .csm CSA Trip ID, .csm USPS Pick Up, .csm Fast Content ID, .csm Entry Point- Actual/Delivery- Locale Key, and .csm Entry Point- Actual/Delivery Postal Code.	Multiple files

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Error Number	Error Message	Error Location
0025	For a Two-Pass MLOCR Mailing, the only fields that are allowed to be updated are: .csm Container Status, .csm Container Barcode, .csm Label: IM Container or Tray Barcode, .csm Label: 10 Character Container Barcode, .csm Container ID, .csm Reservation Number, .csm Fast Schedule ID, .csm Schedule Induction Date, .csm Scheduled Induction Ship Date, .csm Scheduled Induction Ship Time, .csm Scheduled Induction Time, .csm CSA Trip ID, .csm USPS Pick Up, .csm Fast Content ID, .csm Entry Point- Actual/Delivery- Locale Key, and .csm Entry Point- Actual/Delivery Postal Code.	Multiple files
0026	For MLOCR Mailings, the discounts cannot be changed to a greater discount by changing the .cqt Rate Category in an update submission.	Multiple files
0027	For MLOCR Mailings, the .seg Barcode Verifier Indicator field must contain either Y or N.	Multiple files
0028	For MLOCR Mailings, when the .seg Presentation Category is P or A, the .csm Container Status field cannot be equal to P.	Multiple files
0029	For MLOCR Mailings, the .csm Container Type must be O, T, E, or L when the .seg Class Defining Preparation is 1 or 3.	.csm
0030	Reserved	
0031	For MLOCR Mailings, barcode data is not permitted in the .csm file when the .csm Container Type specifies a Logical Container, Type M or Type L.	Multiple files
0032	For MLOCR Mailings, it can only contain C, M, L, P, or S when the Postage Payment Method contains an invalid value for First Class mail	.mpa
0033	For MLOCR Mailings, the .mpa Postage Payment Method must contain C, M, L, or P when the .mpu Mailpiece Unit- Processing Category is FL.	.mpa
0034	For MLOCR Mailings, the .mpu Mailpiece Unit - Class must match the class in the associated .seg and .cpt file(s).	Multiple files
0035	For MLOCR Mailings, there must be at least one container quantity record present in the .cqt file with a matching Job ID and Container ID combination within the .csm file for each container summary record.	Multiple files
0036	Reserved	
0037	For MLOCR Mailings, the .csm Label: IM Container or IM Tray Barcode must be populated unless the .hdr Presentation Category is M, the .csm Container Type is L or M, and the .seg Class Defining Preparation is 1 or 3.	.csm
0038	For MLOCR Mailings, there must be at least one .mpu record.	Multiple files
0039	For MLOCR Mailings, there must be at least one mail piece unit that is a letter, flat, or card for each segment record.	Multiple files
0040	For MLOCR Mailings, the .mpu Mail Piece Unit - Class must be equal to the .seg Class Defining Preparation when there is a mismatched field between files.	Multiple files
0041	For MLOCR Mailings, there must be at least one .cqt record and the .cqt Rate Category cannot be set to S.	Multiple files
0042	For MLOCR Mailings, the component weight information must be populated in the .cpt file.	Multiple files
0043	For File Cancellation or Rejection Processing, the container could not be cancelled/deleted because the Postage Statement has been finalized.	Multiple files
0044	For File Cancellation or Rejection Processing, this container has an invalid status. An updated .csm Container Status of R cannot be submitted if the previous .csm Container Status was not C.	.csm

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Error Number	Error Message	Error Location
0045	For File Cancellation or Rejection Processing, this job could not be cancelled/deleted because component equivalents in jobs [list job numbers] refer to this job.	.cpt Multiple fields
0046	For .cpt File Processing, one or more .hdr file Job ID component record(s) must be present in the .cpt file.	Multiple files
0047	For .cpt File Processing, when crossing Job IDs the following fields must be present for an equivalent component to be defined: .cpt Equivalent User License Code, .cpt Equivalent Component Mail.dat Job ID, and .cpt Equivalent Component ID.	.cpt Multiple fields
0048	For .cpt File Processing, when not crossing Job IDs the following fields must match (when populated) for an equivalent component to be defined: .cpt Equivalent Component ID and .cpt Component ID.	.cpt Multiple fields
0049	For .cpt File Processing, the following field must be equal between the component and equivalent component when the .cpt Equivalent Component Type is W: Weight.	.cpt Multiple fields
0050	For .cpt File Processing, the following fields must be equal between the component record and equivalent component record when the Equivalent Component Type is B: Weight and Ad %.	.cpt Multiple fields
0051	Mismatch Field Value Between Files: The following field must match between the .cpt and .hdr file: Job ID.	Multiple files
0052	Required Field Missing: Job ID is a required field in the .cpt file.	.cpt
0053	Required Field Missing: Component ID is a required field in the .cpt file.	.cpt
0054	Required Field Missing: Component – Periodical Ad Percentage is a required field in the .cpt file when the .cpt Periodical Ad % Treatment is B or S.	.cpt
0055	Required Field Missing: Component – Periodical Ad Percentage Status is a required field in the .cpt file when the .cpt Periodical Ad % Treatment is B or S.	.cpt
0056	Required Field Missing: Component Class is a required field in the .cpt file when .cpt Component Rate Type and .cpt Component Process Category are populated.	.cpt
0057	Required Field Missing: Component Rate Type is a required field in the .cpt file when .cpt Component Class and .cpt Component Process Category are populated.	.cpt
0058	Required Field Missing: Component Process Category is a required field in the .cpt file when .cpt Component Rate Type and .cpt Component Class are populated.	.cpt
0059	Required Field Missing: Periodical Issue Number is a required field in the .cpt file when .cpt Periodical Volume Number is populated.	.cpt
0060	Required Field Missing: CPT Record Status is a required field in the .cpt file.	.cpt
0061	Required Field Missing: Permit ZIP+4/Postal Code is a required field in the .mpa file.	.mpa
0062	Required Field Missing: Closing Character is a required field in the .cpt file.	.cpt
0063	Alphanumeric Data Type Error: Job ID must be an alphanumeric value in the .cpt file.	.cpt
0064	Alphanumeric Data Type Error: Component Description must be an alphanumeric value in the .cpt file.	.cpt
0065	Alphanumeric Data Type Error: Mail Owner Identifier must be an alphanumeric value in the .cpt file.	.cpt
0066	Alphanumeric Data Type Error: Mailer ID of Mail Owner must be an alphanumeric value in the .cpt file.	.cpt

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Error Number	Error Message	Error Location
0067	Alphanumeric Data Type Error: CRID of Mail Owner must be an alphanumeric value in the .cpt file.	.cpt
0068	Alphanumeric Data Type Error: Mail Owner's Mailing Reference ID must be an alphanumeric value in the .cpt file.	.cpt
0069	Alphanumeric Data Type Error: Periodical Volume Number must be an alphanumeric value in the .cpt file.	.cpt
0070	Alphanumeric Data Type Error: Periodical Issue Number must be an alphanumeric value in the .cpt file.	.cpt
0071	Alphanumeric Data Type Error: Periodical Frequency must be an alphanumeric value in the .cpt file.	.cpt
0072	Alphanumeric Data Type Error: Weight Version ID must be an alphanumeric value in the .cpt file.	.cpt
0073	Alphanumeric Data Type Error: Weight Equivalent User License Code must be an alphanumeric value in the .cpt file.	.cpt
0074	Alphanumeric Data Type Error: Weight Equivalent Mail.dat Job ID must be an alphanumeric value in the .cpt file.	.cpt
0075	Alphanumeric Data Type Error: Weight Equivalent Component ID must be an alphanumeric value in the .cpt file.	.cpt
0076	Alphanumeric Data Type Error: Equivalent User License Code must be an alphanumeric value in the .cpt file.	.cpt
0077	Alphanumeric Data Type Error: Equivalent Mail.dat Job ID must be an alphanumeric value in the .cpt file.	.cpt
0078	Alphanumeric Data Type Error: Equivalent Component ID must be an alphanumeric value in the .cpt file.	.cpt
0079	Alphanumeric Data Type Error: Component Title must be an alphanumeric value in the .cpt file.	.cpt
0080	Alphanumeric Data Type Error: User Option must be an alphanumeric value in the .cpt file.	.cpt
0081	Alphanumeric Data Type Error: Reserve must be an alphanumeric value in the .cpt file.	.cpt
0082	Numeric Data Type Error: Component - Weight must be a numeric value in the .cpt file.	.cpt
0083	Numeric Data Type Error: Component - Length must be a numeric value in the .cpt file.	.cpt
0084	Numeric Data Type Error: Component - Width must be a numeric value in the .cpt file.	.cpt
0085	Numeric Data Type Error: Component - Thickness must be a numeric value in the .cpt file.	.cpt
0086	Numeric Data Type Error: Component - Periodical Ad Percentage must be a numeric value in the .cpt file.	.cpt
0087	Numeric Data Type Error: Ad % Basis must be a numeric value in the .cpt file.	.cpt
0088	Numeric Data Type Error: Ad % Basis must be formatted in the 9999v99 format in the .cpt file.	.cpt
0089	Date Data Type Error: Periodical Issue Date must be a valid date formatted as YYYYMMDD in the .cpt file.	.cpt
0090	For .cpt File Processing, the .cpt Component - Weight: Source field contains an invalid value; it must contain A, C, P, or L.	.cpt

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Error Number	Error Message	Error Location
0091	For .cpt File Processing, the .cpt Component - Weight: Status field contains an invalid value; it must contain N, P, F, or M.	.cpt
0092	For .cpt File Processing, the .cpt Component - Periodical Ad Percentage Status field contains an invalid value; it must contain N, P, or F.	.cpt
0093	For .cpt File Processing, the .cpt Component - Class field contains an invalid value; it must contain 1, 2, 3, 4, 5, or 9.	.cpt
0094	For .cpt File Processing, the .cpt Component - Rate Type field contains an invalid value; it must contain R, N, S, C, B, T, P, L, F, B, E, G, H, J, K, M, D, W, or Y.	.cpt
0095	For .cpt File Processing, the .cpt Component - Processing Category field contains an invalid value; for domestic mailings it must contain LT, FL, CD, CM, NB, NP, MP, IR, PF, or NA.	.cpt
0096	For .cpt File Processing,the .cpt Sibling Container Mailing field contains an invalid value; it must contain Y (when populated).	.cpt
0097	For .cpt File Processing, the .cpt Periodical Ad % Treatment field contains an invalid value; it must contain B, S, or N when the Ad % field is populated.	.cpt
0098	Reserved	
0099	For .cpt File Processing, the .cpt Equivalent Component Type field contains an invalid value; it must contain W or B if populated.	.cpt
0100	For .cpt File Processing, the .cpt CPT Record Status field contains an invalid value; it must contain O, D, I, or U.	.cpt
0101	For .cpt File Processing, the .cpt Closing Character field contains an invalid value; it must contain #.	.cpt
0102	For .cpt File Processing, the .cpt Component - Rate Type field contains an invalid value; it must contain R, E, G, J, K, O, or T when Component - Class is 1.	.cpt Multiple fields
0103	For .cpt File Processing of First Class Mail Enclosures, the .cpt Component - Rate Type field contains an invalid value; it must contain R or Z when .cpt Component - Class is 1 and .mpu Mail Piece Unit Class is 2, 4, or 5.	.cpt Multiple fields
0104	For .cpt File Processing, the .cpt Component - Rate Type field contains an invalid value; it must contain R, N, S, C, H, M, W, or Y when .cpt Component - Class is 2 or 5.	.cpt Multiple fields
0105	For .cpt File Processing, the .cpt Component - Rate Type field contains an invalid value; it must contain R, N, or M when .cpt Component - Class is 3.	.cpt Multiple fields
xxx	For .cpt File Processing of Standard Mail Enclosures, the .cpt Component - Rate Type field contains an invalid value; it must contain R, N, or Z when .cpt Component - Class is 3 and .mpu Mail Piece Unit Class is 2, 4, or 5.	.cpt Multiple fields
0106	For .cpt File Processing, the .cpt Component - Rate Type field contains an invalid value; it must contain B, P, L, F, or D when .cpt Component - Class is 4.	.cpt Multiple fields
0107	Reserved	
0108	Reserved	
0109	Duplicate Record Found: Each .cpt record must have a unique combination of Job ID and Component ID.	.cqt Multiple fields
0110	For .cpt File Processing, there can be no characters after the .cpt Closing Character.	.cpt

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Error Number	Error Message	Error Location
0111	For cpt File Processing, the .mpu Processing Category and .cpt Component - Processing Category must match.	Multiple files
0112	Mismatch Field Value Between Files: The following field must match between the .hdr and .mpa file: Job ID.	Multiple files
0113	Required Field Missing: Job ID is a required field in the .mpa file.	.mpa
0114	Required Field Missing: Unique Sequence/Grouping ID is a required field in the .mpa file.	.mpa
0115	Required Field Missing: Permit ZIP+4 is a required field in the .mpa file.	.mpa
0116	Required Field Missing: Postage Payment Option is a required field in the .mpa file.	.mpa
0117	Reserved	
0118	Reserved	
0119	Required Field Missing: MPA Record Status is a required field in the .mpa file.	.mpa
0120	Required Field Missing: Closing Character is a required field in the .mpa file.	.mpa
0121	Alphanumeric Data Type Error: Job ID must be an alphanumeric value in the .mpa file.	.mpa
0122	Alphanumeric Data Type Error: Unique Sequence/Grouping ID must be an alphanumeric value in the .mpa file.	.mpa
0123	Alphanumeric Data Type Error: MPA Description must be an alphanumeric value in the .mpa file (when populated).	.mpa
0124	Alphanumeric Data Type Error: USPS Publication Number must be an alphanumeric value in the .mpa file (when populated).	.mpa
0125	Alphanumeric Data Type Error: Permit Number must be an alphanumeric value in the .mpa file (when populated).	.mpa
0126	Alphanumeric Data Type Error: Permit Zip+4 must be an alphanumeric value in the .mpa file (when populated).	.mpa
0127	Alphanumeric Data Type Error: CAPS Reference Number must be an alphanumeric value in the .mpa file (when populated).	.mpa
0128	Alphanumeric Data Type Error: Reserve must be an alphanumeric value in the .mpa file (when populated).	.mpa
0129	Alphanumeric Data Type Error: Mailing Facility DUNS Number must be an alphanumeric value in the .mpa file (when populated).	.mpa
0130	Alphanumeric Data Type Error: Permit Holder DUNS Number must be an alphanumeric value in the .mpa file (when populated).	.mpa
0131	Reserved	
0132	Reserved	
0133	Alphanumeric Data Type Error: Federal Agency Cost Code must be an alphanumeric value in the .mpa file (when populated).	.mpa
0134	Alphanumeric Data Type Error: Non-Profit Authorization Number must be an alphanumeric value in the .mpa file (when populated).	.mpa
0135	Alphanumeric Data Type Error: Title must be an alphanumeric value in the .mpa file (when populated).	.mpa
0136	Alphanumeric Data Type Error: Mailer ID of Mail Owner must be an alphanumeric value in the .mpa file (when populated).	.mpa
0137	Alphanumeric Data Type Error: CRID of Mail Owner must be an alphanumeric value in the .mpa file (when populated).	.mpa

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Error Number	Error Message	Error Location
0138	Alphanumeric Data Type Error: Mailer ID of Preparer must be an alphanumeric value in the .mpa file (when populated).	.mpa
0139	Alphanumeric Data Type Error: CRID of Preparer must be an alphanumeric value in the .mpa file (when populated).	.mpa
0140	Alphanumeric Data Type Error: User Option Field must be an alphanumeric value in the .mpa file (when populated).	.mpa
0141	Numeric Data Type Error: Mail Owner's Lcl Permit Ref Num / Int'l Bill Num field must be a numeric value in the .mpa file (when populated).	.mpa
0142	Alphabetic Data Type Error: Permit State field must be an alphabetic value in the .mpa file (when populated).	.mpa
0143	Alphabetic Data Type Error: Permit City field must be an alphabetic value in the .mpa file (when populated).	.mpa
0144	For .mpa File Processing, the .mpa Mail Owner's Lcl Permit Ref Num / Int'l Bill Num - Type field contains an invalid value; it must contain S, M, P, G, V, or H (when populated).	.mpa
0145	For .mpa File Processing, the .mpa Postage Payment Option field contains an invalid value; it must contain C, V, T, D, O, or B (when populated).	.mpa
0146	For .mpa File Processing, the .mpa Postage Payment Method field contains an invalid value; it must contain S, M, P, I, T, G, L, or C.	.mpa
0147	For .mpa File Processing, the .mpa, the Mailing Facility DUNS Number field contains an invalid value; it must contain a 9 or 15 digit DUNS number (when populated).	.mpa
0148	For .mpa File Processing, the .mpa Permit Holder DUNS Number field contains an invalid value; it must contain a 9 or 15 digit DUNS number (when populated).	.mpa
0149	Reserved	
0150	For .mpa File Processing, the .mpa CSA Applies For Periodicals field contains an invalid value; it must contain Y or N if populated.	.mpa
0151	For .mpa File Processing, the .mpa MPA Record Status field contains an invalid value; it must contain O, D, or U.	.mpa
0152	For .mpa File Processing, the .mpa Permit ZIP+4 field contains an invalid value; it must contain a Permit Number of USPS Publication Number at a Post Office location (when populated).	.mpa
0153	For .mpa File Processing, the permit must be active; the Permit Status of the permit in the .mpa file is Cancel or Delete.	.mpa
0154	There is an invalid .mpa Permit Number and .mpa Postage Payment Method combination; the permit must reference an active permit for the associated payment method at the .mpa Permit ZIP+4 code in the .mpa file.	.mpa
0155	For .mpa File Processing, the .mpa Closing Character field contains an invalid value; it must be a #.	.mpa
0156	Required Field Missing: Mail Owner's Lcl Permit Ref Num/ Int'l Bill Num - Type is a required field when Mail Owner's Lcl Permit Ref Num/ Int'l Bill Num is populated.	.mpa Multiple fields
0157	Required Field Missing: Postage Payment Method is a required field when Permit Number is populated.	.mpa Multiple fields
0158	For .mpa File Processing, only one field between the .mpa USPS Publication Number and .mpa Permit Number may be populated in one record.	.mpa Multiple fields

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Error Number	Error Message	Error Location
0159	MPA Record Missing: An MPA Record is missing for the associated MCR Record. (ie. Within an .mpa file, a record containing .mpa MPA - Unique Sequence/Grouping ID matching the .mcr Primary MPA ID is missing.)	Multiple files
0160	For .mpa File Processing, the Permit ZIP+4 must map back to a single finance number for all permits on which the postage is charged.	Multiple files
0161	Reserved	
0162	Reserved	
0163	Duplicate Record Found: Each .mpa record must have a unique combination of Job ID and MPA – Unique Sequence/Grouping ID.	.mpa Multiple fields
0164	For .mpa File Processing, there must be no characters after the .mpa Closing Character.	.mpa
0165	For .mpa File Processing, the .mpa CSA Applies For Periodicals field contains an invalid value; it must contain Y or N when the .mpu Mail Piece Unit - Class is 2 or 5.	Multiple files
0166	For .mpa File Processing, in an update job, if the .mcr MPA ID is different from the original .mcr MPA ID, the .mcr MPA ID must match the .mpa MPU Unique Sequence/Grouping ID of the first submission.	.mpa Multiple fields
0167	Reserved	
0168	Reserved	
0169	Permit Enclosure Field Missing: the .mpa MPA Unique Sequence/Grouping ID must be populated.	.mpa
0170	Permit Enclosure Field Missing; the .mpa Permit Number must be populated.	.mpa
0171	Permit Enclosure Field Missing; the .mpa USPS Publication Number must be populated.	.mpa
0172	Permit Enclosure Field Missing; the .cpt Component ID must be populated to designate a permit enclosure.	Multiple files
0173	Permit Enclosure Field Missing; the .mcr Primary MPA ID must be populated to designate a permit enclosure.	Multiple files
0174	Permit Enclosure Field Missing; the .cpt Component - Class must be populated to designate a permit enclosure.	Multiple files
0175	Permit Enclosure Field Missing; the .cpt Component - Rate Type must be populated to designate a permit enclosure.	Multiple files
0176	Reserved	
0177	Reserved	
0178	Reserved	
0179	Reserved	
0180	Reserved	
0181	Reserved	
0182	Reserved	
0183	Reserved	
0184	Reserved	
0185	Reserved	
0186	Reserved	
0187	Reserved	
0188	Reserved	

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Error Number	Error Message	Error Location
0189	Reserved	
0190	Mismatch Field Value Between Files: The Job ID must match between the .wsr and .seg files.	Multiple files
0191	Mismatch Field Value Between Files: The Segment ID must match between the .wsr and .seg files.	Multiple files
0192	Required Field Missing: Job ID is a required field in the .wsr file.	.wsr
0193	Required Field Missing: Segment ID is a required field in the .wsr file.	.wsr
0194	Required Field Missing: Package Zip Code is a required field in the .wsr file.	.wsr
0195	Required Field Missing: Package CR Number is a required field in the .wsr file.	.wsr
0196	Required Field Missing: Co-Palletization Code is a required field in the .wsr file.	.wsr
0197	Required Field Missing: Walk Sequence Type is a required field in the .wsr file.	.wsr
0198	Required Field Missing: Walk Sequence Stops is a required field in the .wsr file.	.wsr
0199	Required Field Missing: Walk Sequence Denominator is a required field in the .wsr file.	.wsr
0200	Required Field Missing: Walk Sequence Database Date is a required field in the .wsr file.	.wsr
0201	Required Field Missing: Walk Sequence Record Status is a required field in the .wsr file.	.wsr
0202	Required Field Missing: Closing Character is a required field in the .wsr file.	.wsr
0203	Alphanumeric Data Type Error: Segment ID must be an alphanumeric value in the .wsr file.	.wsr
0204	Alphanumeric Data Type Error: Package Zip Code must be an alphanumeric value in the .wsr file.	.wsr
0205	Alphanumeric Data Type Error: Package CR Number must be an alphanumeric value in the .wsr file.	.wsr
0206	Alphanumeric Data Type Error: Co-Palletization Code must be an alphanumeric value in the .wsr file.	.wsr
0207	Alphanumeric Data Type Error: Reserve must be an alphanumeric value in the .wsr file.	.wsr
0208	Alphanumeric Data Type Error: Job ID must be an alphanumeric value in the .wsr file.	.wsr
0209	Numeric Data Type Error: Walk Sequence Stops must be a numeric value in the .wsr file.	.wsr
0210	Numeric Data Type Error: Walk Sequence Denominator must be a numeric value in the .wsr file.	.wsr
0211	Date Data Type Error: Walk Sequence Database Date must be a date value in the .wsr file.	.wsr
0212	For .wsr File Processing, the .wsr Walk Sequence Type contains an invalid value; it must contain T or R.	.wsr
0213	For .wsr File Processing, the .wsr WSR Record Status contains an invalid value; it must contain O, D, I, or U.	.wsr
0214	For .wsr File Processing, the .wsr Closing Character contains an invalid value; it must contain #.	.wsr
0215	Reserved	
0216	Reserved	
0217	Reserved	

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Error Number	Error Message	Error Location
0218	Reserved	
0219	Duplicate Record Found: Each .wsr record must have a unique combination of Job ID, Segment ID, Package Zip Code, and Package CR Number.	.wsr Multiple fields
0220	For .wsr File Processing, there can be no characters after the .wsr Closing Character.	.wsr
0221	Mismatch Field Value Between Files: The following field must match between the .pdr and .pqt files: Job ID.	Multiple files
0222	Mismatch Field Value Between Files: The following field must match between the .pdr and .pqt files: CQT Database ID	Multiple files
0223	Mismatch Field Value Between Files: The following fields must have the same value between the .pdr and pqt files: CQT Database ID and Package ID.	Multiple files
0224	Required Field Missing: Job ID is a required field in the .pdr file.	.pdr
0225	Required Field Missing: CQT Database ID is a required field in the .pdr file.	.pdr
0226	Required Field Missing: Package ID is a required field in the .pdr file.	.pdr
0227	Required Field Missing: Piece Barcode is a required field in the .pdr file.	.pdr
0228	Required Field Missing: PDR Record Status is a required field in the .pdr file.	.pdr
0229	Required Field Missing: Closing Character is a required field in the .pdr file.	.pdr
0230	Alphanumeric Data Type Error: Job ID must be an alphanumeric value in the .pdr file.	.pdr
0231	Alphanumeric Data Type Error: Package ID must be an alphanumeric value in the .pdr file.	.pdr
0232	Alphanumeric Data Type Error: Piece Barcode must be an alphanumeric value in the .pdr file.	.pdr
0233	Alphanumeric Data Type Error: Line-Of-Travel Seq. Direction Code must be an alphanumeric value in the .pdr file (when populated).	.pdr
0234	Alphanumeric Data Type Error: Delivery Signature Confirmation ID must be an alphanumeric value in the .pdr file (when populated).	.pdr
0235	Alphanumeric Data Type Error: Planet Code must be an alphanumeric value in the .pdr file (when populated).	.pdr
0236	Alphanumeric Data Type Error: MLOCR Rate and Postage Marking must be an alphanumeric value in the .pdr file (when populated).	.pdr
0237	Alphanumeric Data Type Error: Machine ID must be an alphanumeric value in the .pdr file (when populated).	.pdr
0238	Alphanumeric Data Type Error: Mailer ID of Barcode Applicator must be an alphanumeric value in the .pdr file (when populated).	.pdr
0239	Alphanumeric Data Type Error: Reserve must be an alphanumeric value in the .pdr file (when populated).	.pdr
0240	Alphanumeric Data Type Error: ACS Key Line Data must be an alphanumeric value in the .pdr file (when populated).	.pdr
0241	Alphanumeric Data Type Error: IM™ Barcode must be an alphanumeric value in the .pdr file (when populated).	.pdr
0242	Numeric Data Type Error: CQT Database ID must be a numeric value in the .pdr file.	.pdr
0243	Reserved	
0244	Reserved	

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Error Number	Error Message	Error Location
0245	Numeric Data Type Error: Package ID must be a numeric value in the .pdr file (when populated).	.pdr
0246	Numeric Data Type Error: Line-Of-Travel Sequence Number must be a numeric value in the .pdr file (when populated).	.pdr
0247	Numeric Data Type Error: Walk Sequence Number must be a numeric value in the .pdr file (when populated).	.pdr
0248	Reserved	
0249	Numeric Data Type Error: Move Update Method must be a numeric value in the .pdr file (when populated).	.pdr
0250	For .pdr File Processing, the .pdr Package ID contains an invalid value; it must contain a unique value within the container (when populated).	.pdr
0251	For .pdr File Processing, the .pdr Piece Barcode contains an invalid value; it must contain a 5, 9, or 11 digit value (when populated).	.pdr
0252	For .pdr File Processing, the .pdr Delivery Signature Confirmation ID contains an invalid value; it must contain a unique value associated with Delivery Confirmation and piece (when populated).	.pdr
0253	For .pdr File Processing, the .pdr Move Update Method contains an invalid value; it must contain 0, 1, 2, 3, 4, 5, 6 or 7 (when populated).	.pdr
0254	For .pdr File Processing, the .pdr Wasted or Shortage Piece Indicator contains an invalid value; it must contain W, S, X, or T (when populated).	.pdr
0255	Reserved	
0256	For .pdr File Processing, the .pdr PDR Record Status contains an invalid value; it must contain O, D, I, or U.	.pdr
0257	For .pdr File Processing, the .pdr IM™ Barcode contains an invalid value; it must contain 34 Character Numeric value for packages (when populated).	.pdr
0258	Reserved	
0259	For .pdr File Processing, the .pdr Closing Character contains an invalid value; it must contain #.	.pdr
0260	Reserve	.pdr
0261	Reserve	.pdr
0262	Duplicate Record Found: Each .pdr record must have a unique combination of Job ID and Piece ID.	.pdr Multiple fields
0263	For .pdr File Processing, there can be no characters after the .pdr Closing Character.	.pdr
0264	For .pdr File Processing, the .pdr IM™ Barcode contains an invalid value; it must contain no more than 31 alphanumeric Characters when .seg Principal Processing Category is LT (letter), FL (flat), or CD (card).	.pdr
0265	Mismatch Field Value Between Files: The following fields must match between the .seg and .msr files: Job ID, Segment ID.	Multiple files
0266	For future release: Required Field Missing: Job ID is a required field in the .msr file.	.msr
0267	For future release: Required Field Missing: Segment ID is a required field in the .msr file.	.msr
0268	For future release: Required Field Missing: Pallet/Cage Type is a required field in the .msr file.	.msr

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Error Number	Error Message	Error Location
0269	For future release: Required Field Missing: Pallet/Cage ID is a required field in the .msr file.	.msr
0270	For future release: Required Field Missing: Piece Range-Set Count is a required field in the .msr file.	.msr
0271	For future release: Required Field Missing: Tray/Sack Type is a required field in the .msr file.	.msr
0272	For future release: Required Field Missing: Tray/Sack ID is a required field in the .msr file.	.msr
0273	For future release: Required Field Missing: Tray/Sack CIN Code is a required field in the .msr file.	.msr
0274	For future release: Required Field Missing: Piece Range-Set CIN Code is a required field in the .msr file.	.msr
0275	For future release: Required Field Missing: Piece Range-Set Zip Code is a required field in the .msr file.	.msr
0276	For future release: Required Field Missing: Piece Range-Set First Sequence Number is a required field in the .msr file.	.msr
0277	For future release: Required Field Missing: Piece Range-Set Postage is a required field in the .msr file.	.msr
0278	For future release: Required Field Missing: Piece Range-Set Physical Space is a required field in the .msr file.	.msr
0279	For future release: Required Field Missing: Piece Range-Set First Sequence Number is a required field in the .msr file.	.msr
0280	For future release: Required Field Missing: MSR Record Status is a required field in the .msr file.	.msr
0281	For future release: Required Field Missing: Closing Character is a required field in the .msr file.	.msr
0282	For future release: Alphanumeric Data Type Error: Job ID must be an alphanumeric value in the .msr file.	.msr
0283	For future release: Alphanumeric Data Type Error: Segment ID must be an alphanumeric value in the .msr file.	.msr
0284	For future release: Alphanumeric Data Type Error: Pallet/Cage ID must be an alphanumeric value in the .msr file.	.msr
0285	For future release: Alphanumeric Data Type Error: Reserve must be an alphanumeric value in the .msr file (when populated).	.msr
0286	For future release: Alphanumeric Data Type Error: Tray/Sack ID must be an alphanumeric value in the .msr file.	.msr
0287	For future release: Alphanumeric Data Type Error: MPA - Unique Sequence/Grouping ID must be an alphanumeric value in the .msr file (when populated).	.msr
0288	For future release: Numeric Data Type Error: Piece Range-Set Count must be a numeric value in the .msr file.	.msr
0289	For future release: Numeric Data Type Error: Piece Range-Set One Ounce Qty must be a numeric value in the .msr file (when populated).	.msr
0290	For future release: Numeric Data Type Error: Piece Range-Set Two Ounce Qty must be a numeric value in the .msr file (when populated).	.msr
0291	For future release: Numeric Data Type Error: Piece Range-Set Three Ounce Qty must be a numeric value in the .msr file (when populated).	.msr

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Error Number	Error Message	Error Location
0292	For future release: Numeric Data Type Error: Piece Range-Set Four Ounce Qty must be a numeric value in the .msr file (when populated).	.msr
0293	For future release: Numeric Data Type Error: Piece Range-Set Five Ounce Qty must be a numeric value in the .msr file (when populated).	.msr
0294	For future release: Numeric Data Type Error: Piece Range-Set Six Ounce Qty must be a numeric value in the .msr file (when populated).	.msr
0295	For future release: Numeric Data Type Error: Piece Range-Set Seven Ounce Qty must be a numeric value in the .msr file (when populated).	.msr
0296	For future release: Numeric Data Type Error: Piece Range-Set Eight Ounce Qty must be a numeric value in the .msr file (when populated).	.msr
0297	For future release: Numeric Data Type Error: Piece Range-Set Nine Ounce Qty must be a numeric value in the .msr file (when populated).	.msr
0298	For future release: Numeric Data Type Error: Piece Range-Set Ten Ounce Qty must be a numeric value in the .msr file (when populated).	.msr
0299	For future release: Numeric Data Type Error: Piece Range-Set Eleven Ounce Qty must be a numeric value in the .msr file (when populated).	.msr
0300	For future release: Numeric Data Type Error: Piece Range-Set Twelve Ounce Qty must be a numeric value in the .msr file (when populated).	.msr
0301	For future release: Numeric Data Type Error: Piece Range-Set Thirteen Ounce Qty must be a numeric value in the .msr file (when populated).	.msr
0302	For future release: Numeric Data Type Error: Waste Quantity must be a numeric value in the .msr file (when populated).	.msr
0303	For future release: Numeric Data Type Error: Piece Range-Set Postage must be a numeric value in the .msr file.	.msr
0304	For future release: Numeric Data Type Error: Piece Range-Set Weight must be a numeric value in the .msr file.	.msr
0305	For future release: Numeric Data Type Error: Piece Range-Set Physical Space must be a numeric value in the .msr file.	.msr
0306	For future release: Numeric Data Type Error: MPA – Unique Sequence/Grouping ID must to be a numeric value in the .msr file;	.msr
0307	For future release: For .msr File Processing, the .msr Pallet/Cage Type field contains an invalid value; it must contain P or C.	.msr
0308	For future release: For .msr File Processing, the .msr Tray/Sack Type field contains an invalid value; it must contain O, T, E, F, or S.	.msr
0309	For future release: For .msr File Processing, the .msr MSR Record Status field contains an invalid value it must contain O or U.	.msr
0310	For future release: For .msr File Processing, the ..msr Closing Character field contains an invalid value; it must contain #.	.msr
0311	For future release: For .msr File Processing, the .msr Pallet/Cage ID field contains an invalid value; it must contain XXXXX when .msr Pallet/Cage Type is N	Multiple files
0312	For future release: For .msr File Processing, the.msr Tray/Sack ID must be unique for the respective tray or sack and within the Job ID.	Multiple files
0313	Reserve	
0314	Reserve	
0315	Reserve	
0316	Reserve	
0317	Reserve	

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Error Number	Error Message	Error Location
0318	Reserve	
0319	For future release: Duplicate Record Found: Each .msr record must have a unique combination of Job ID, Segment ID, Pallet/Cage Type, Pallet/Cage ID, Tray/Sack Type, and Tray/Sack ID.	.msr Multiple fields
0320	For future release: For .msr File Processing, there can be no characters after the .msr Closing Character.	.msr
0321	For future release: For .seg File Processing, The Job ID and Segment ID combination within a .seg file must exist in one or more .msr records when .seg Principal Processing Category is populated.	Multiple files
0322	For future release: For .msr File Processing, the .msr MPA - Unique Sequence/Grouping ID is not unique for a respective record in the .mpa file.	Multiple files
0323	For future release: Missing File: The submitted .psr file's Container Ready To Pay Transaction identifier must be equal to the .csm Container Ready To Pay Transaction ID when the .csm Container Ready To Pay Transaction ID is populated.	Multiple files
0324	For future release: Mismatch Field Value Between Files: The following field must match between the .csm and .psr file: Job ID	Multiple files
0325	For future release: Alphanumeric Data Type Error: Job ID must be an alphanumeric value in the .psr file.	.psr
0326	For future release: Alphanumeric Data Type Error: Mailing Facility must be an alphanumeric value in the .psr file.	.psr
0327	For future release: Alphanumeric Data Type Error: User Postage Statement ID must be an alphanumeric value in the .psr file (when populated).	.psr
0328	For future release: Alphanumeric Data Type Error: Postage Statement Form ID must be an alphanumeric value in the .psr file (when populated).	.psr
0329	For future release: Alphanumeric Data Type Error: Periodicals Issue Number must be an alphanumeric value in the .psr file (when populated).	.psr
0330	For future release: Alphanumeric Data Type Error: Periodicals Volume Number must be an alphanumeric value in the .psr file (when populated).	.psr
0331	For future release: Alphanumeric Data Type Error: Customer Reference ID must be an alphanumeric value in the .psr file (when populated).	.psr
0332	For future release: Alphanumeric Data Type Error: Federal Agency Cost Code must be an alphanumeric value in the .psr file (when populated).	.psr
0333	For future release: Alphanumeric Data Type Error: Mail Owner's Lcl Permit Ref Num / Int'l Bill Num - Type must be an alphanumeric value in the .psr file (when populated).	.psr
0334	For future release: Alphanumeric Data Type Error: Permit Number must be an alphanumeric value in the .psr file (when populated).	.psr
0335	For future release: Alphanumeric Data Type Error: Permit ZIP Code + 4 must be an alphanumeric value in the .psr file (when populated).	.psr
0336	For future release: Alphanumeric Data Type Error: USPS Publication Number must be an alphanumeric value in the .psr file (when populated).	.psr
0337	For future release: Alphanumeric Data Type Error: Standard Mail Sacking Criteria must be an alphanumeric value in the .psr file (when populated).	.psr
0338	For future release: Alphanumeric Data Type Error: Package Services Packaging Criteria must be an alphanumeric value in the .psr file (when populated).	.psr
0339	For future release: Alphanumeric Data Type Error: Postage Grouping ID must be an alphanumeric value in the .psr file (when populated).	.psr

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Error Number	Error Message	Error Location
0340	For future release: Alphanumeric Data Type Error: User Option Field must be an alphanumeric value in the .psr file (when populated).	.psr
0341	For future release: Alphanumeric Data Type Error: Reserve must be an alphanumeric value in the .psr file (when populated).	.psr
0344	For future release: Numeric Data Type Error: PSR Unique ID must be a numeric value in the .psr file (when populated).	.psr
0345	For future release: Numeric Data Type Error: Container Ready to Pay Transaction identifier must be a numeric value in the .psr file (when populated).	.psr
0346	For future release: Numeric Data Type Error: USPS Postage Statement ID must be a numeric value in the .psr file (when populated).	.psr
0347	For future release: Numeric Data Type Error: Mail Owner's Lcl Permit Ref Num / Int'l Bill Num must be a numeric value in the .psr file (when populated).	.psr
0348	For future release: Date Data Type Error: Periodicals Issue Date must be a valid date value formatted as YYYYMMDD in the .psr file (when populated).	.psr
0349	For future release: Date Data Type Error: Postage Statement Date of Mailing must be a valid date value formatted as YYYYMMDD in the .psr file (when populated).	.psr
0350	For future release: Date Data Type Error: Carrier Route Sequencing Date of Mailing must be a valid date value formatted as YYYYMMDD in the .psr file (when populated).	.psr
0351	For future release: Date Data Type Error: Carrier Route Coding Date must be a valid date value formatted as YYYYMMDD in the .psr file (when populated).	.psr
0352	For future release: Date Data Type Error: Automation Coding Date must be a valid date formatted as YYYYMMDD in the .psr file (when populated).	.psr
0353	For future release: For .psr File Processing, the .psr USPS Postage Statement ID contains an invalid value; it must contain a unique value (when populated).	.psr
0354	For future release: For .psr File Processing, the .psr Postage Payment Method contains an invalid value; it must contain S, M, P, C, L, I, G, or T (when populated).	.psr
0355	For future release: For .psr File Processing, the .psr CPT Class contains an invalid value; it must contain 1, 2, 3, 4, or 5 (when populated).	.psr
0356	For future release: For .psr File Processing, the .psr Rate Type contains an invalid value; it must contain R, N, S, C, B, T, P, L, F, E, G, J, K, W, or Y (when populated).	.psr
0357	For future release: For .psr File Processing, the .psr CPT Processing Category contains an invalid value; it must contain LT, FL, CD,OS, CM, MP, IR, PF, MM, NA, NB, NP (when populated).	.psr
0358	For future release: For .psr File Processing, the .psr Container and Bundle Charge Method contains an invalid value; it must contain 0, 1, 2, 3 (when populated).	.psr
0359	For future release: For .psr File Processing, the .psr PSR Record Status contains an invalid value; it must contain O, D, I, U.	.psr
0360	For future release: For .psr File Processing, the .psr Closing Character contains an invalid value; it must contain #.	.psr
0361	Reserve	
0362	Reserve	
0363	For future release: Duplicate Record Found: Each .psr record must have a unique combination of Job ID, PSR Unique ID, and Container Ready to Pay Transaction ID.	.psr Multiple fields

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Error Number	Error Message	Error Location
0364	For future release: For .psr File Processing, there can be no characters after the .psr Closing Character.	.psr
0365	For future release: For .psr File Processing, the .psr Periodicals Volume Number is required if .cpt Component – Class is 2 or 5.	Multiple files
0366	For future release: For .psr File Processing, the .psr Periodicals Issue Number is required if .cpt Component – Class is 2 or 5.	Multiple files
0367	For future release: For .psr File Processing, the .psr Periodicals Issue Date is required if .cpt Component – Class is 2 or 5.	Multiple files
0368	For future release: For .psr File Processing, the .psr CPT – Rate Type contains an invalid value; it must contain [*values*] when the .cpt Component – Class is 1.	Multiple files
0369	For future release: For .psr File Processing, the .psr CPT – Rate Type contains an invalid value; it must contain [*values*] when the .cpt Component – Class is 2.	Multiple files
0370	For future release: For .psr File Processing, the .psr CPT – Rate Type contains an invalid value; it must contain [*values*] when the .cpt Component – Class is 3.	Multiple files
0371	For future release: For .psr File Processing, the .psr CPT – Rate Type contains an invalid value; it must contain [*values*] when the .cpt Component – Class is 4.	Multiple files
0372	For future release: For .psr File Processing, the .psr CPT – Rate Type contains an invalid value; it must contain [*values*] when the .cpt Component – Class is 5.	Multiple files
0373	Mismatch Field Value Between Files: The following fields must match between the .imr and .csm file: Job ID, Container ID.	Multiple files
0374	Required Field Missing: Job ID is a required field in the .imr file.	.imr
0375	Required Field Missing: Container ID is a required field in the .imr file.	.imr
0376	Required Field Missing: IMR Unique ID is a required field in the .imr file.	.imr
0377	Required Field Missing: Class is a required field in the .imr file.	.imr
0378	Required Field Missing: Piece Count is a required field in the .imr file.	.imr
0379	Required Field Missing: Service Level Indicator is a required field in the .imr file.	.imr
0380	Required Field Missing: IMR Record Status is a required field in the .imr file.	.imr
0381	Alphanumeric Data Type Error: Job ID must be an alphanumeric value in the .imr file.	.imr
0382	Alphanumeric Data Type Error: IMR Unique ID must be an alphanumeric value in the .imr file.	.imr
0383	Alphanumeric Data Type Error: IM Barcode Lower Serialization must be an alphanumeric value in the .imr file (when populated).	.imr
0384	Alphanumeric Data Type Error: IM Barcode Upper Serialization must be an alphanumeric value in the .imr file (when populated).	.imr
0385	Alphanumeric Data Type Error: Mailer ID of Mail Owner must be an alphanumeric value in the .imr file (when populated).	.imr
0386	Alphanumeric Data Type Error: CRID of Mail Owner must be an alphanumeric value in the .imr file (when populated).	.imr
0387	Alphanumeric Data Type Error: Mailer ID of Preparer must be an alphanumeric value in the .imr file (when populated).	.imr
0388	Alphanumeric Data Type Error: CRID of Preparer must be an alphanumeric value in the .imr file (when populated).	.imr
0389	Alphanumeric Data Type Error: Reserve must be an alphanumeric value in the .imr file (when populated).	.imr
0390	Numeric Data Type Error: Container ID must be a numeric value in the .imr file.	.imr
0391	Numeric Data Type Error: Piece Count must be a numeric value in the .imr file.	.imr

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Error Number	Error Message	Error Location
0392	For .imr File Processing, the .imr Class field contains an invalid value; it must contain 1, 2, 3, or 4.	.imr
0393	For .imr File Processing, the .imr Service Level Indicator field contains an invalid value; it must contain F, B, P, or O.	.imr
0394	For .imr File Processing, the .imr IM Record Status field contains an invalid value; it must contain O, D, or U.	.imr
0395	For .imr File Processing, the .imr Closing Character field contains an invalid value; it must contain #.	.imr
0396	For .imr File Processing, the .imr IM Barcode Lower Serialization field must be less than or equal to the IM Barcode Upper Serialization field.	.imr
0397	Reserve	.imr
0398	Reserve	.imr
0399	Reserve	.imr
0400	Duplicate Record Found: Each .imr record must have a unique combination of Job ID, Container ID, and IMR Unique ID.	.imr
0401	For .imr File Processing, there can be no characters after the .imr Closing Character.	.imr
0402	Required Field Missing: Job ID is a required field in the .hdr file.	.hdr
0403	Required Field Missing: IDEAlliance Version is a required field in the .hdr file.	.hdr
0404	Required Field Missing: Header History Sequence Number is a required field in the .hdr file.	.hdr
0405	Required Field Missing: Header History Status is a required field in the .hdr file.	.hdr
0406	Required Field Missing: Historical Job ID is a required field in the .hdr file.	.hdr
0407	Required Field Missing: Licensed User's Job Number is a required field in the .hdr file.	.hdr
0408	Required Field Missing: Job Name/Title and Issue is a required field in the .hdr file.	.hdr
0409	Required Field Missing: File Source is a required field in the .hdr file.	.hdr
0410	Required Field Missing: User License Code is a required field in the .hdr file.	.hdr
0411	Required Field Missing: Contact Name is a required field in the .hdr file.	.hdr
0412	Required Field Missing: Contact Telephone Number is a required field in the .hdr file.	.hdr
0413	Required Field Missing: Date Prepared is a required field in the .hdr file.	.hdr
0414	Required Field Missing: Time Prepared is a required field in the .hdr file.	.hdr
0415	Required Field Missing: Segmenting Criteria is a required field in the .hdr file.	.hdr
0416	Required Field Missing: Segment Record Count is a required field in the .hdr file.	.hdr
0417	Required Field Missing: Segment File Status is a required field in the .hdr file.	.hdr
0418	Required Field Missing: Mail Piece Unit Record Count is a required field in the .hdr file.	.hdr
0419	Required Field Missing: Mail Piece Unit File Status is a required field in the .hdr file.	.hdr
0420	Required Field Missing: MPU / C Relationship Record Count is a required field in the .hdr file.	.hdr
0421	Required Field Missing: MPU / C Relationship File Status is a required field in the .hdr file.	.hdr

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Error Number	Error Message	Error Location
0422	Required Field Missing: Mailer Postage Account Record Count is a required field in the .hdr file.	.hdr
0423	Required Field Missing: Mailer Postage Account File Status is a required field in the .hdr file.	.hdr
0424	Required Field Missing: Component Record Count is a required field in the .hdr file.	.hdr
0425	Required Field Missing: Component File Status is a required field in the .hdr file.	.hdr
0426	Required Field Missing: Component Summary Record Count is a required field in the .hdr file.	.hdr
0427	Required Field Missing: Component Summary File Status is a required field in the .hdr file.	.hdr
0428	Required Field Missing: Container Quantity Record Count is a required field in the .hdr file.	.hdr
0429	Required Field Missing: Container Quantity File Status is a required field in the .hdr file.	.hdr
0430	Required Field Missing: Package Quantity Record Count is a required field in the .hdr file.	.hdr
0431	Required Field Missing: Package Quantity File Status is a required field in the .hdr file.	.hdr
0432	Required Field Missing: Walk Sequence Record Count is a required field in the .hdr file.	.hdr
0433	Required Field Missing: Walk Sequence File Status is a required field in the .hdr file.	.hdr
0434	Required Field Missing: IJ / C Relationship Record Count is a required field in the .hdr file.	.hdr
0435	Required Field Missing: IJ / C Relationship File Status is a required field in the .hdr file.	.hdr
0436	Required Field Missing: Piece Detail Record Count is a required field in the .hdr file.	.hdr
0437	Required Field Missing: Piece Detail File Status is a required field in the .hdr file.	.hdr
0438	Required Field Missing: Special Fee/Charge Record Count is a required field in the .hdr file.	.hdr
0439	Required Field Missing: Special Fee/Charge File Status is a required field in the .hdr file.	.hdr
0440	Required Field Missing: Manifest Individual Record Count is a required field in the .hdr file.	.hdr
0441	Required Field Missing: Manifest Individual File Status is a required field in the .hdr file.	.hdr
0442	Required Field Missing: Manifest Summary Record Count is a required field in the .hdr file.	.hdr
0443	Required Field Missing: Manifest Summary File Status is a required field in the .hdr file.	.hdr
0444	Required Field Missing: Postage Adjustment Record Count is a required field in the .hdr file.	.hdr
0445	Required Field Missing: Postage Adjustment File Status is a required field in the .hdr file.	.hdr

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Error Number	Error Message	Error Location
0446	Required Field Missing: Postage Statement Record Count is a required field in the .hdr file.	.hdr
0447	Required Field Missing: Postage Statement File Status is a required field in the .hdr file.	.hdr
0448	Required Field Missing: Intelligent Mail Range Record Count is a required field in the .hdr file.	.hdr
0449	Required Field Missing: Intelligent Mail Range File Status is a required field in the .hdr file.	.hdr
0450	Required Field Missing: Original Container Identification Record Count is a required field in the .hdr file.	.hdr
0451	Required Field Missing: Mail.dat Presentation Category is a required field in the .hdr file.	.hdr
0452	Required Field Missing: Original Software Vendor Name is a required field in the .hdr file.	.hdr
0453	Required Field Missing: Original Software Products Name is a required field in the .hdr file.	.hdr
0454	Required Field Missing: Original Software Version is a required field in the .hdr file.	.hdr
0455	Required Field Missing: Original Software Vendor's Email is a required field in the .hdr file.	.hdr
0456	Required Field Missing: Mail.dat Software Vendor Name is a required field in the .hdr file.	.hdr
0457	Required Field Missing: Mail.dat Software Product's Name is a required field in the .hdr file.	.hdr
0458	Required Field Missing: Mail.dat Software Version is a required field in the .hdr file.	.hdr
0459	Required Field Missing: Licensed User's Email is a required field in the .hdr file.	.hdr
0460	Required Field Missing: Closing Character is a required field in the .hdr file.	.hdr
0461	Alphanumeric Data Type Error: Job ID must be an alphanumeric value in the .hdr file.	.hdr
0462	Alphanumeric Data Type Error: Historical Job ID must be an alphanumeric value in the .hdr file.	.hdr
0463	Alphanumeric Data Type Error: Licensed User's Job Number must be an alphanumeric value in the .hdr file.	.hdr
0464	Alphanumeric Data Type Error: Job Name/Title and Issue must be an alphanumeric value in the .hdr file.	.hdr
0465	Alphanumeric Data Type Error: File Source must be an alphanumeric value in the .hdr file.	.hdr
0466	Alphanumeric Data Type Error: User License Code must be an alphanumeric value in the .hdr file.	.hdr
0467	Alphanumeric Data Type Error: Contact Name must be an alphanumeric value in the .hdr file.	.hdr
0468	Alphanumeric Data Type Error: Segmenting Criteria must be an alphanumeric value in the .hdr file.	.hdr
0469	Alphanumeric Data Type Error: Original Software Vendor Name must be an alphanumeric value in the .hdr file.	.hdr

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Error Number	Error Message	Error Location
0470	Alphanumeric Data Type Error: Original Software Product Name must be an alphanumeric value in the .hdr file.	.hdr
0471	Alphanumeric Data Type Error: Original Software Version must be an alphanumeric value in the .hdr file.	.hdr
0472	Alphanumeric Data Type Error: Original Software Vendor's Email must be an alphanumeric value in the .hdr file.	.hdr
0473	Alphanumeric Data Type Error: Mail.dat Software Vendor Name must be an alphanumeric value in the .hdr file.	.hdr
0474	Alphanumeric Data Type Error: Mail.dat Software Product's Name must be an alphanumeric value in the .hdr file.	.hdr
0475	Alphanumeric Data Type Error: Mail.dat Software Version must be an alphanumeric value in the .hdr file.	.hdr
0476	Alphanumeric Data Type Error: Mail.dat Software Vendor's Email must be an alphanumeric value in the .hdr file.	.hdr
0477	Alphanumeric Data Type Error: Licensed User's Email must be an alphanumeric value in the .hdr file.	.hdr
0478	Alphanumeric Data Type Error: Event Manager Audit Code must be an alphanumeric value in the .hdr file.	.hdr
0479	Alphanumeric Data Type Error: User Option must be an alphanumeric value in the .hdr file.	.hdr
0480	Alphanumeric Data Type Error: Reserve must be an alphanumeric value in the .hdr file.	.hdr
0481	Numeric Data Type Error: Job ID must be a numeric value in the .hdr file if the field is filled with leading zeros.	.hdr
0482	Numeric Data Type Error: Header History Sequence Number must be a numeric value in the .hdr file.	.hdr
0483	Numeric Data Type Error: Historical Job ID must be a numeric value in the .hdr file.	.hdr
0484	Numeric Data Type Error: Segment Record Count must be a numeric value in the .hdr file.	.hdr
0485	Numeric Data Type Error: Mail Piece Unit Record Count must be a numeric value in the .hdr file.	.hdr
0486	Numeric Data Type Error: MPU / C Relationship Count must be a numeric value in the .hdr file.	.hdr
0487	Numeric Data Type Error: Mailer Postage Account Record Count must be a numeric value in the .hdr file.	.hdr
0488	Numeric Data Type Error: Component Record Count must be a numeric value in the .hdr file.	.hdr
0489	Numeric Data Type Error: Container Summary Record Count must be a numeric value in the .hdr file.	.hdr
0490	Numeric Data Type Error: Container Quantity Record Count must be a numeric value in the .hdr file.	.hdr
0491	Numeric Data Type Error: Package Quantity Record Count must be a numeric value in the .hdr file.	.hdr
0492	Numeric Data Type Error: Walk Sequence Record Count must be a numeric value in the .hdr file.	.hdr
0493	Numeric Data Type Error: IJ / C Relationship Record Count must be a numeric value in the .hdr file.	.hdr

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Error Number	Error Message	Error Location
0494	Numeric Data Type Error: Piece Detail Record Count must be a numeric value in the .hdr file.	.hdr
0495	Numeric Data Type Error: Special Fee/Charge Record Count must be a numeric value in the .hdr file.	.hdr
0496	Numeric Data Type Error: Manifest Individual Record Count must be a numeric value in the .hdr file.	.hdr
0497	Numeric Data Type Error: Manifest Summary Record Count must be a numeric value in the .hdr file.	.hdr
0498	Numeric Data Type Error: Postage Adjustment Record Count must be a numeric value in the .hdr file.	.hdr
0499	Numeric Data Type Error: Postage Statement Record Count must be a numeric value in the .hdr file.	.hdr
0500	Numeric Data Type Error: Intelligent Mail Range Record Count must be a numeric value in the .hdr file.	.hdr
0501	Numeric Data Type Error: Original Container Identification Record Count must be a numeric value in the .hdr file.	.hdr
0502	Numeric Data Type Error: Software Vendor's ZAP must be a numeric value in the .hdr file.	.hdr
0503	Date Data Type Error: Date Prepared must be a valid date value formatted as YYYYMMDD in the .hdr file.	.hdr
0504	Date Data Type Error: Zone Matrix Date must be a date valid date value formatted as YYYYMMDD in the .hdr file.	.hdr
0505	Time Data Type Error: Time Prepared must be a time value in the .hdr file.	.hdr
0506	For .hdr File Processing, the .hdr Job ID must be User Managed and must remain unique with one corporation/user license code.	.hdr
0507	For .hdr File Processing, the .hdr IDEAlliance Version contains an invalid value; it must contain 09-1.	.hdr
0508	Reserve	.hdr
0509	For .hdr File Processing, the .hdr, Header History Status contains an invalid value; one record must contain C.	.hdr
0510	For .hdr File Processing, the .hdr User License Code contains an invalid value, it must begin with an alphabetic character.	.hdr
0511	For .hdr File Processing, the .hdr User License Code cannot contain any spaces or special characters and it cannot be case sensitive.	.hdr
0512	Reserve	.hdr
0513	Reserve	.hdr
0514	For .hdr File Processing, the .hdr Contact Telephone Number contains an invalid value; it must contain a 10-Digit Telephone Number.	.hdr
0515	For .hdr File Processing, the .hdr File Status cannot contain a value of R.	.hdr
0516	For .hdr File Processing, the .hdr Segment File Status contains an invalid value; it must contain O, N, D, C, or U.	.hdr
0517	For .hdr File Processing, the .hdr Mail Piece Unit File Status contains an invalid value; it must contain O, N, D, C, or U.	.hdr
0518	For .hdr File Processing, the .hdr MPU / C Relationship File Status contains an invalid value; it must contain O, N, D, C, or U.	.hdr
0519	For .hdr File Processing, the .hdr Mailer Postage Account File contains an invalid value; it must contain O, N, D, C, or U.	.hdr

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Error Number	Error Message	Error Location
0520	For .hdr File Processing, the .hdr Component File Status contains an invalid value; it must contain O, N, D, C, or U.	.hdr
0521	For .hdr File Processing, the .hdr Container Summary File Status contains an invalid value; it must contain O, N, D, C, or U.	.hdr
0522	For .hdr File Processing, the .hdr Container Quantity File Status contains an invalid value; it must contain O, N, D, C, or U.	.hdr
0523	For .hdr File Processing, the .hdr Package Quantity File Status contains an invalid value; it must contain O, N, D, C, or U.	.hdr
0524	For .hdr File Processing, the .hdr Walk Sequence File Status contains an invalid value; it must contain O, N, D, C, or U.	.hdr
0525	For .hdr File Processing, the .hdr IJ / C Relationship File Status contains an invalid value; it must contain O, N, D, C, or U.	.hdr
0526	For .hdr File Processing, the .hdr Piece Detail File Status contains an invalid value; it must contain O, N, D, C, or U.	.hdr
0527	For .hdr File Processing, the .hdr Special Fee/Charge File Status contains an invalid value; it must contain O, N, D, C, or U.	.hdr
0528	For .hdr File Processing, the .hdr Manifest Individual File Status contains an invalid value; it must contain O, N, D, C, or U.	.hdr
0529	For .hdr File Processing, the .hdr Manifest Summary File Status contains an invalid value; it must contain O, N, D, C, or U.	.hdr
0530	For .hdr File Processing, the .hdr Postage Adjustment File Status contains an invalid value; it must contain O, N, D, C, or U.	.hdr
0531	For .hdr File Processing, the .hdr Postage Statement File Status contains an invalid value; it must contain O, N, D, C, or U.	.hdr
0532	For .hdr File Processing, the .hdr Intelligent Mail Range File Status contains an invalid value; it must contain O, N, D, C, or U.	.hdr
0533	For .hdr File Processing, the .hdr Original Container Identification File Status contains an invalid value; it must contain O, N, D, C, or U.	.hdr
0534	For .hdr File Processing, the .hdr Mail.dat Presentation Category contains an invalid value; it must contain P, I, S or M.	.hdr
0535	For .hdr File Processing, the .hdr Closing Character contains an invalid value; it must contain #.	.hdr
0536	For .hdr File Processing, the .hdr Segment Record Count must match the Record Count of the Segment Record.	.hdr
0537	For .hdr File Processing, the .hdr Mail Piece Unit Record Count must match the Record Count of the Mail Piece Unit Record.	.hdr
0538	For .hdr File Processing, the .hdr Component Record Count must match the Record Count of the Component Record.	.hdr
0539	For .hdr File Processing, the .hdr Container Quantity Record Count must match the Record Count of the Container Quantity Record.	.hdr
0540	For .hdr File Processing, the .hdr Package Quantity Record Count must match the Record Count of the Package Quantity Record.	.hdr
0541	For .hdr File Processing, the .hdr Walk Sequence Record Count must match the Record Count of the Walk Sequence Record.	.hdr
0542	For .hdr File Processing, the .hdr Piece Detail Record Count must match the Record Count of the Piece Detail Record.	.hdr
0543	For .hdr File Processing, the .hdr Special Fee/Charge Record Count must match the Record Count of the Special Fee/Charge Record.	.hdr

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Error Number	Error Message	Error Location
0544	For .hdr File Processing, the .hdr Manifest Individual Record Count must match the Record Count of the Manifest Individual Record.	.hdr
0545	For .hdr File Processing, the .hdr Manifest Summary Record Count must match the Record Count of the Manifest Summary Record.	.hdr
0546	For .hdr File Processing, the .hdr Postage Adjustment Record Count must match the Record Count of the Postage Adjustment Record.	.hdr
0547	For .hdr File Processing, the .hdr Postage Statement Record Count must match the Record Count of the Postage Statement Record.	.hdr
0548	For .hdr File Processing, the .hdr Intelligent Mail Range Record Count must match the Record Count of the Intelligent Mail Range Record.	.hdr
0549	For .hdr File Processing, the .hdr Original Container Identification Record Count must match the Record Count of the Original Container Identification Record.	.hdr
0550	Reserve	.hdr
0551	Duplicate Record Found: Each .hdr record must have a unique Job ID.	.hdr
0552	For .hdr File Processing, there can be no characters after the .hdr Closing Character.	.hdr
0553	For Full-Service Processing, the .cqt Service Level Indicator field contains an invalid value; it must contain F when the .seg Full-Service Participation Indicator is F.	.cqt
0554	For Full-Service Processing, the .cqt Service Level Indicator field contains an invalid value; it must contain F, B, P, O when the .seg Full-Service Participation Indicator is M.	.cqt
0555	For Full-Service Processing, at least one record in the .cqt file must contain a Service Level Indicator of F when the .seg Full Service Participation Indicator is M.	.cqt
0556	For Full-Service Processing, the .seg Class Defining Preparation field contains an invalid value; it must contain 1, 2, 3, or 4 for Full-Service.	.seg
0557	For Full-Service Processing, the Mail.dat Job is missing a required file for Full-Service Processing; it must contain either an .imr or .pdr file.	Multiple files
0558	For Full-Service Processing, the .imr IM Barcode Lower range and .imr IM Barcode Upper range contain invalid values; the first 6 characters in each field must match.	.imr Multiple fields
0559	For Full-Service Processing, the .imr IM Barcode Lower range field is an incorrect length; it must be no more than 15 characters in length.	.imr
0560	For Full-Service Processing, the .imr IM Barcode Upper range field is an incorrect length; it must be no more than 15 characters in length.	.imr
0561	For Full-Service Processing, the .pdr Piece Barcode field is an incorrect length; it must be a minimum of 20 characters to a maximum of 31 characters.	.pdr
0562	For Full-Service Processing, the .seg Principal Processing Category field contains an invalid value; it must contain LT, FL, or CD for Class Defining Preparation of 1.	.seg
0563	For Full-Service Processing, the .seg Principal Processing Category field contains an invalid value; it must contain LT or FL for Class Defining Preparation of 2.	.seg
0564	For Full-Service Processing, the .seg Principal Processing Category field contains an invalid value; it must contain LT or FL for Class Defining Preparation of 3.	.seg
0565	For Full-Service Processing, the .seg Principal Processing Category field contains an invalid value; it must contain FL for Class Defining Preparation of 4 and Rate Type of B.	.seg

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Error Number	Error Message	Error Location
0566	For Full-Service Processing, the .psr Mail Owner's Lcl Permit Ref Num/Int'l Bill Num – Type field must be populated when the .psr Mail Owner's Lcl Permit Ref Num/Int'l Bill Num is populated.	.psr
0567	For Full-Service Processing, the .csm Number of Pieces is required when the .seg Logical/Physical Container Indicator is P.	.csm
0568	For Full-Service Processing, the .csm Container Type field contains an invalid value; the .csm Container Type field must contain B, U, W, Z, H, A, G, D, R, C, or P for a Physical Container when the .seg Logical/Physical Container Indicator is P.	.csm
0569	For Full-Service Processing, the .csm Container Type field contains an invalid value; the .csm Container Type field must contain 1, 2, 3, 4, 5, S, F, O, T, or E for a Physical Handling Unit when the .seg Logical/Physical Container Indicator is P.	.csm
0570	For Full-Service Processing, the .csm Container Type field contains an invalid value; the .csm Container Type field must contain M for a Logical Container when the .seg Logical/Physical Container Indicator is L.	.csm
0571	For Full-Service Processing, the .csm Container Type field contains an invalid value; the .csm Container Type field must contain L or V for a Logical Handling Unit when the Logical/Physical Container Indicator is L.	.csm
0572	Reserved	
0573	For Full-Service Processing, the .seg CSA Agreement ID is required when the .csm USPS Pick Up is Y.	.seg
0574	For Full-Service Processing, the .csm CSA Trip ID is required when the .csm USPS Pick Up is Y.	.csm
0575	For Full-Service Processing, the .csm Scheduled Ship Date is required when the .csm USPS Pick Up is Y.	.csm
0576	For Full-Service Processing, the .csm Scheduled Ship Time is required when the .csm USPS Pick Up is Y.	.csm
0577	For Full-Service Processing, the .csm Scheduled Induction Date is required when the .csm Reservation Number and .csm FAST Content ID fields are populated.	.csm
0578	For Full-Service Processing, the .csm Scheduled Induction Time is required when the .csm Reservation Number and .csm FAST Content ID fields are populated.	.csm
0579	For Full-Service Processing, the .csm Scheduled Induction Date is required when the .seg CSA Agreement ID is populated and .csm USPS Pick Up is N.	.csm
0580	For Full-Service Processing, the .csm Scheduled Induction Time is required when the .seg CSA Agreement ID is populated and .csm USPS Pick Up is N.	.csm
0581	For Full-Service Processing, the .csm Sibling Container Indicator field contains an invalid value; it must contain Y when the Container Type is M.	.csm
0582	For Full-Service Processing, the .csm Label: IM™ Container Or IM™ Tray Barcode field contains an invalid value; it must contain a 21 character IMcb.	.csm
0583	For Full-Service Processing, the .csm Label: IM™ Container Or IM™ Tray Barcode field contains an invalid value; it must contain a 24 character IMtb.	.csm
0584	For Full-Service Processing, the .pdr LOT Sequence Number is required when the .pdr LOT Direction Code is populated.	.pdr
0585	For Full-Service Processing, the .pdr LOT Direction Code is required when the .pdr LOT Sequence Number is populated.	.pdr
0586	For Full-Service Processing, the .csm USPS Pick Up field is required when the .seg Full Service Participation is either F or M.	.csm

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Error Number	Error Message	Error Location
0587	For Full-Service Processing, at least one of the following fields must be populated when the .pdr file is submitted for Full-Service: .mpa Mail Owners Lcl Permit Ref Num/Int'l Bill Num, .mpa CRID of Mail Owner, .mpa Mailer ID of Mail Owner, .cqt Mailer ID of Mail Owner, or .cpt CRID of Mail Owner.	Multiple files
0588	For Full-Service Processing, at least one of the following fields must be populated when the .pdr file is submitted for Full-Service: .mpa CRID of Mail Preparer or .mpa Mailer ID of Mail Preparer.	Multiple files
0589	For Full-Service Processing, at least one of the following fields must be populated when the .imr file is submitted for Full-Service: .imr CRID of Mail Owner or .imr Mailer ID of Mail Owner.	Multiple fields
0590	For Full-Service Processing, at least one of the following fields must be populated when the .imr file is submitted for Full-Service: CRID of Mail Preparer or Mailer ID of Mail Preparer.	.imr Multiple fields
0591	For File Updates Processing, an original Mail.dat must have been submitted before an update can be made.	Multiple files
0592	For File Updates Processing, hdr and .seg files are required files and must be submitted with every Mail.dat Update.	Multiple files
0593	For File Updates Processing, there is an invalid File Status Flag and Record Level Status combination. The header status must contain O, C, D, or U and the record status must contain O, C, D, I, or U.	Multiple files
0594	For File Updates Processing, delete Mail.dat Job Update not allowed if Postage Statement is FIN or FPP.	Multiple files
0595	For File Updates Processing, .seg Mail Facility ID must match the original .seg Mail Facility ID for a Delete Job.	.seg
0596	For File Updates Processing, .hdr Mail.dat Version must match between the original job and update job submitted.	.hdr
0597	For future use: Container and Bundle Charge Method	.mpa
0598	For future use: Container and Bundle Charge Method	.mpa
0599	For File Updates Processing, .mcr Primary MPA ID field required for update or change jobs if .mpa and .mcr are updated.	.mcr
0600	For File Updates Processing, .mcr Additional Postage MPA ID required for update or change jobs if .mpa and .mcr are updated.	.mcr
0601	For File Updates Processing, the new .csm Container Status must be D (Delete), if the previous .csm Container Status is D (Delete).	.csm
0602	For File Updates Processing, the new .csm Container Status must be P (Preliminary Postage Statement), R (Ready To Pay), X (Paid), or D (Delete), if the previous .csm Container Status is C (Cancel).	.csm
0603	For File Updates Processing, the new .csm Container Status must be T and the previous .csm Container Status must be R or X to update the transportation fields.	.csm
0604	For File Updates Processing, the .csm Container Status field contains an invalid value based on the previous Container Status of C; it must contain D or O.	.csm
0605	For File Updates Processing, no .csm Container Status update values allowed if previous .csm Container Status is D.	.csm
0606	For File Updates Processing, the .csm Container Status field contains an invalid value based on the previous .csm Container Status of O; it must contain D, P, R, X, C.	.csm

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Error Number	Error Message	Error Location
0607	For File Updates Processing, the .csm Container Status field contains an invalid value based on the previous .csm Container Status of P; it must contain D, P, R, C.	.csm
0608	For File Updates Processing, the .csm Container Status field contains an invalid value based on the previous .csm Container Status of R; it must contain D, X, T, C.	.csm
0609	For File Updates Processing, the .csm Container Status field contains an invalid value based on the previous .csm Container Status of T; it must contain D, X, T, C.	.csm
0610	For File Updates Processing, the .csm Container Status field contains an invalid value based on the previous .csm Container Status of X; it must contain T.	.csm
0611	For File Updates Processing, the .csm Container Status field contains an invalid value; in order to update the .csm Label: IM Container or Tray Barcode, it must contain T.	.csm
0612	For File Updates Processing, the .csm Container field contains an invalid value; in order to update the .csm Label: 10-Character Container Barcode, it must contain T.	.csm
0613	For File Updates Processing, the .csm Container Status field contains an invalid value; in order to update the .csm Container ID, it must contain T.	.csm
0614	For File Updates Processing, the .csm Container Status field contains an invalid value; in order to update the .csm Container ID, it must contain T.	.csm
0615	For File Updates Processing, the .csm Container Status field contains an invalid value; in order to update the .csm Reservation Number, it must contain T.	.csm
0616	For File Updates Processing, the .csm Container Status field contains an invalid value; in order to update the .csm FAST Schedule ID, it must contain T.	.csm
0617	For File Updates Processing, the .csm Container Status field contains an invalid value; in order to update the .csm Scheduled Induction Date, it must contain T.	.csm
0618	For File Updates Processing, the .csm Container Status field contains an invalid value; in order to update the .csm Scheduled Induction Ship Date, it must contain T.	.csm
0619	For File Updates Processing, the .csm Container Status field contains an invalid value; in order to update the .csm Scheduled Induction Ship Time, it must contain T.	.csm
0620	For File Updates Processing, the .csm Container Status field contains an invalid value; in order to update the .csm CSA Trip ID, it must contain T.	.csm
0621	For File Updates Processing, the .csm Container Status field contains an invalid value; in order to update the .csm USPS Pick Up, it must contain T.	.csm
0622	For File Updates Processing, the .csm Container Status field contains an invalid value; in order to update the .csm FAST Content ID, it must contain T.	.csm
0623	For File Updates Processing, the .csm Container Status field contains an invalid value; in order to update the .csm Entry Point - Actual/Delivery Locale Key, it must contain T.	.csm
0624	For File Updates Processing, the .csm Container Status field contains an invalid value; in order to update the .csm Entry Point - Actual/Delivery Postal Code, it must contain T.	.csm
0625	For File Updates Processing, the previous .csm Container Status must be R in order to update the .csm Entry Point for Entry Discount - Postal Code.	.csm
0626	For File Updates Processing, the previous .csm Container Status must be R in order to update the .csm Entry Point for Entry Discount - Facility Type field.	.csm

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0627	For File Acceptance and Validation Processing, the Mail.dat job has been submitted in the wrong submission order, the order must be .hdr, .seg, .mpu, .mcr, .mpa, .cpt, .csm, .cqt, .pqt, .wsr, .snr, .plr, .icr, .pdr, .sfr, .mir, .msr, .par, .imr, .oci, .psr.	Multiple files
0628	Reserve	Multiple files
0629	For File Acceptance and Validation Processing, the .seg Mail Facility ID provided in the Mail.dat submission does not map to a unique CRID.	Multiple files
0630	For File Acceptance and Validation Processing, a finance number does not exist for the permit linked to the .seg Mail Facility ID (CRID).	.seg
0631	For future release: For Co-Palletization Processing, when the .csm Included In Other Documentation is L then the .seg Class Defining Preparation must be 1, 2, or 3.	Multiple files
0632	For future release: Missing Required Files for Co-Palletization Processing: The .hdr and .csm files are required to be submitted when the .csm Included in Other Documentation is L.	Multiple files
0633	For future release: Original Records Missing for Co-Palletization Processing: The original files associated with the updated linked files could not be found.	Multiple files
0634	For future release: For Co-Palletization Processing, the .cqt Zone field cannot be updated when the .seg Class Defining Preparation is not Periodicals; .seg Class Defining Preparation must be 2 for co-palletization.	Multiple files
0635	For future release: Cannot Accept Finalize Postage for Co-Palletization Processing: .csm Included in Other Documentation must contain the value O, .csm Container Type must contain the value V, L, E, F, O, or T, and .seg Class Defining Preparation must contain the value 1, 2, or 3.	Multiple files
0636	For future release: Cannot Accept Finalize Postage for Co-Palletization Processing: .csm Container Type must contain the value P or Z, .csm Included in Other Documentation must contain the value L, and .seg Class Defining Preparation must contain the value 3.	Multiple files
0637	For future release: For Co-Palletization Processing, the .seg Class Defining Preparation field contains an invalid value; it must contain 1, 2, or 3 when the .csm Included in Other Documentation field is O.	.seg Multiple fields
0638	For future release: For Co-Palletization Processing, the .seg Container Type field contains an invalid value; it must contain V when the.csm Included in Other Documentation field is O.	.seg Multiple fields
0639	For future release: For Co-Palletization Processing, the .seg Container Type field contains an invalid value; it must contain L, E, F, O, or T when the .csm Included in Other Documentation field is L.	.seg Multiple fields
0640	For future release: For Co-Palletization Processing, the .seg Class Defining Preparation field contains an invalid value; it must contain 1, 2, or 3 when the .csm Included in Other Documentation field is L.	.seg Multiple fields
0641	For future release: For Co-Palletization Processing, the.seg Container Type field contains an invalid value; it must contain P or Z when the .csm Included in Other Documentation field is L.	.seg Multiple fields
0642	For future release: For Co-Palletization Processing, the Mail.dat Job is missing a required field; the .csm Label: IM Container or IM Tray Barcode field must be populated when .hdr Mail.dat Presentation Category is MLOCR, .csm Included in Other Documentation is O, .csm Container Type is L or M, and .seg Class Defining Preparation is 1.	Multiple files

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Error Number	Error Message	Error Location
0643	For future release: For Co-Palletization Processing, the Mail.dat Job is missing a required field for co-palletization processing; the .csm Label: IM Container or IM Tray Barcode field must be populated when .hdr Mail.dat Presentation Category is M (MLOCR), .csm Included in Other Documentation is L, .csm Container Type is P or Z, and .seg Class Defining Preparation is 1.	Multiple files
0644	Mismatch Field Value Between Files: The following field must match between the .seg and .csm files: Job ID	Multiple files
0645	Mismatch Field Value Between Files: The following field must match between the .seg and .csm files: Segment ID	Multiple files
0646	For future release: Mismatch Field Value Between Files: The .csm Container Ready to Pay Transaction ID and .psr Transaction ID must match between the .psr and .csm files.	Multiple files
0647	Required Field Missing: Job ID is a required field in the .csm file.	.csm
0648	Required Field Missing: Segment ID is a required field in the .csm file.	.csm
0649	Required Field Missing: Container Type is a required field in the .csm file.	.csm
0650	Required Field Missing: Container ID is a required field in the .csm file.	.csm
0651	Required Field Missing: Display Container ID is a required field in the .csm file.	.csm
0652	Required Field Missing: Container Destination ZIP is a required field in the .csm file.	.csm
0653	Required Field Missing: Container Level is a required field in the .csm file.	.csm
0654	Required Field Missing: Sibling Container Indicator is a required field in the .csm file.	.csm
0655	Required Field Missing: Sibling Container Reference ID is a required field in the .csm file.	.csm
0656	Required Field Missing: Entry Point for Entry Discount – Postal Code is a required field in the .csm file.	.csm
0657	Required Field Missing: Entry Point for Entry Discount – Facility Type is a required field in the .csm file.	.csm
0658	Required Field Missing: Number of Copies is a required field in the .csm file.	.csm
0659	Required Field Missing: Machinable Mail Piece is a required field in the .csm file.	.csm
0660	Required Field Missing: Tray Preparation Type is a required field in the .csm file.	.csm
0661	Required Field Missing: Protected Container Status is a required field in the .csm file.	.csm
0662	Required Field Missing: Container Gross Weight - Source is a required field in the .csm file.	.csm
0663	Required Field Missing: Container Height - Source is a required field in the .csm file.	.csm
0664	Required Field Missing: CSM Record Status is a required field in the .csm file.	.csm
0665	Required Field Missing: Closing Character is a required field in the .csm file.	.csm
0666	Alphanumeric Data Type Error: Job ID must be an alphanumeric value in the .csm file.	.csm
0667	Alphanumeric Data Type Error: Segment ID must be an alphanumeric value in the .csm file.	.csm
0668	Alphanumeric Data Type Error: Display Container ID must be an alphanumeric value in the .csm file.	.csm
0669	Alphanumeric Data Type Error: Container Grouping Description must be an alphanumeric value in the .csm file (when populated).	.csm

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0670	Alphanumeric Data Type Error: Container Destination ZIP must be an alphanumeric value in the .csm file (when populated).	.csm
0671	Alphanumeric Data Type Error: User License Code must be an alphanumeric value in the .csm file.	.csm
0672	Alphanumeric Data Type Error: Entry Point for Entry Discount – Postal Code must be an alphanumeric value in the .csm file.	.csm
0673	Alphanumeric Data Type Error: Entry Point – Actual/Delivery Locale Key must be an alphanumeric value, must contain 'ORIGIN' when the Entry Point for Entry Discount Facility is set to O or H, and must precede with "LOC" plus 6 alphanumeric characters when the Entry Point for Entry Discount Facility is set to B, R, S, D, A, C, K, J, E, L, T, or Q in the .csm file.	.csm
0674	Alphanumeric Data Type Error: Truck or Dispatch Number must be an alphanumeric value in the .csm file (when populated).	.csm
0675	Alphanumeric Data Type Error: Stop Designator Field must be an alphanumeric value in the .csm file (when populated).	.csm
0676	Alphanumeric Data Type Error: Reservation Number must be an alphanumeric value in the .csm file (when populated).	.csm
0677	Numeric Data Type Error: Actual Pick Up Date must be a valid date value formatted as YYYYMMDD in the .csm file (when populated).	.csm
0678	Alphanumeric Data Type Error: Actual Pick Up Time must be an alphanumeric value formatted as HH:MM in the .csm file (when populated).	.csm
0679	Alphanumeric Data Type Error: Actual Induction Time must be an alphanumeric value formatted as HH:MM in the .csm file (when populated).	.csm
0680	Alphanumeric Data Type Error: Postage Statement Mailing Time must be an alphanumeric value formatted as HH:MM in the .csm file (when populated).	.csm
0681	Alphanumeric Data Type Error: Unique Container ID must be an alphanumeric value in the .csm file (when populated).	.csm
0682	Alphanumeric Data Type Error: Production Machine ID must be an alphanumeric value in the .csm file (when populated).	.csm
0683	Alphanumeric Data Type Error: Trans-Ship Bill of Lading Number must be an alphanumeric value in the .csm file (when populated).	.csm
0684	Alphanumeric Data Type Error: Postage Grouping ID must be an alphanumeric value in the .csm file (when populated).	.csm
0685	Alphanumeric Data Type Error: EMD – 8125 ANS Barcode must be an alphanumeric value in the .csm file (when populated).	.csm
0686	Alphanumeric Data Type Error: Transportation DUNS Number must be an alphanumeric value in the .csm file (when populated).	.csm
0687	Alphanumeric Data Type Error: Container Level Attempted must be an alphanumeric value in the .csm file (when populated).	.csm
0688	Alphanumeric Data Type Error: FAST Content ID must be an alphanumeric value in the .csm file (when populated).	.csm
0689	Alphanumeric Data Type Error: Scheduled Ship Time must be an alphanumeric value in the .csm file (when populated).	.csm
0690	Alphanumeric Data Type Error: DMM Section Defining Container Preparation must be an alphanumeric value in the .csm file (when populated).	.csm
0691	Alphanumeric Data Type Error: Alternate Method Defining Preparation must be an alphanumeric value in the .csm file (when populated).	.csm

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Error Number	Error Message	Error Location
0692	Alphanumeric Data Type Error: Label: IM Container or IM Tray Barcode must be an alphanumeric value in the .csm file (when populated).	.csm
0693	Alphanumeric Data Type Error: Label: 10-Character Container Barcode must be an alphanumeric value in the .csm file (when populated).	.csm
0694	Alphanumeric Data Type Error: Label: Destination Line 1 must be an alphanumeric value in the .csm file (when populated).	.csm
0695	Alphanumeric Data Type Error: Label: Destination Line 2 must be an alphanumeric value in the .csm file (when populated).	.csm
0696	Alphanumeric Data Type Error: Label: Contents - Line 1 must be an alphanumeric value in the .csm file (when populated).	.csm
0697	Alphanumeric Data Type Error: Label: Contents - Line 2 must be an alphanumeric value in the .csm file (when populated).	.csm
0698	Alphanumeric Data Type Error: Label: User Information Line 1 must be an alphanumeric value in the .csm file (when populated).	.csm
0699	Alphanumeric Data Type Error: Label: User Information Line 2 must be an alphanumeric value in the .csm file (when populated).	.csm
0700	Alphanumeric Data Type Error: Label: Entry (Origin) Point Line must be an alphanumeric value in the .csm file (when populated).	.csm
0701	Alphanumeric Data Type Error: Label: Container Label CIN Code must be an alphanumeric value in the .csm file (when populated).	.csm
0702	Alphanumeric Data Type Error: User Option must be an alphanumeric value in the .csm file (when populated).	.csm
0703	Alphanumeric Data Type Error: Reserve must be an alphanumeric value in the .csm file (when populated).	.csm
0704	Numeric Data Type Error: Container ID must be a numeric value in the .csm file.	.csm
0705	Numeric Data Type Error: Entry Point – Actual/Delivery – Postal Code must be a numeric value in the .csm file	.csm
0706	Numeric Data Type Error: Scheduled In-Home Date must be a valid numeric value formatted as YYYYMMDD in the .csm file (when populated).	.csm
0707	Numeric Data Type Error: Additional In-Home Range must be a numeric value in the .csm file (when populated).	.csm
0708	Numeric Data Type Error: Actual Induction Date must be a valid numeric value formatted as YYYYMMDD in the .csm file (when populated).	.csm
0709	Numeric Data Type Error: Postage Statement Mailing Date must be a valid numeric value formatted as YYYYMMDD in the .csm file (when populated).	.csm
0710	Numeric Data Type Error: Number of Copies must be a numeric value in the .csm file.	.csm
0711	Numeric Data Type Error: Number of Pieces must be a numeric value in the .csm file.	.csm
0712	Numeric Data Type Error: Total Weight must be a numeric value in the .csm file (when populated).	.csm
0713	Numeric Data Type Error: Container Ready to Pay must be a numeric value in the .csm file (when populated).	.csm
0714	Numeric Data Type Error: Container Gross Weight must be a numeric value in the .csm file (when populated).	.csm
0715	Numeric Data Type Error: Container Height must be a numeric value in the .csm file (when populated).	.csm

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Error Number	Error Message	Error Location
0716	Numeric Data Type Error: Transportation Carrier ID must be a numeric value in the .csm file (when populated).	.csm
0717	Numeric Data Type Error: FAST Scheduler ID must be a numeric value in the .csm file (when populated).	.csm
0718	Numeric Data Type Error: Scheduled Ship Date must be a valid numeric value formatted as YYYYMMDD in the .csm file (when populated).	.csm
0719	Numeric Data Type Error: IM Barcode Upper Serialization must be an alphanumeric value in the .csm file (when populated).	.csm
0720	Numeric Data Type Error: IM Barcode Lower Serialization must be an alphanumeric value in the .csm file (when populated).	.csm
0721	Numeric Data Type Error: Container Reference ID must be a numeric value in the .csm file (when populated).	.csm
0722	Numeric Data Type Error: Sibling Container Reference ID must be a numeric value and it must match a container ID in the .csm file (when populated).	.csm
0723	Date Data Type Error: Actual Container Ship Date must be a valid numeric value formatted as YYYYMMDD in the .csm file	.csm
0724	Date Data Type Error: Actual Pick Up Date must be a valid numeric value formatted as YYYYMMDD in the .csm file.	.csm
0725	Reserve	.csm
0726	Date Data Type Error: Scheduled Pick Up Date must be a valid numeric value formatted as YYYYMMDD in the .csm file.	.csm
0727	Date Data Type Error: Container Acceptance Date must be a valid numeric value formatted as YYYYMMDD in the .csm file.	.csm
0728	Date Data Type Error: Scheduled In-Home Date must be a valid numeric value formatted as YYYYMMDD in the .csm file.	.csm
0729	Date Data Type Error: Scheduled Induction Date must be a valid numeric value formatted as YYYYMMDD in the .csm file	.csm
0730	Date Data Type Error: Internal Date must be a valid numeric value formatted as YYYYMMDD in the .csm file.	.csm
0731	For .csm File Processing, the .csm Postage Statement Mailing Date must be later than the last price change.	.csm
0732	Time Data Type Error: Actual Container Ship Time must be a time value formatted in the HH:MM format in the .csm file.	.csm
0733	Time Data Type Error: Scheduled Pick Up Time must be a time value formatted in the HH:MM format in the .csm file.	.csm
0734	For .csm File Processing, the .csm Container Type field contains an invalid value; it must contain P, S, O, T, E, F, B, W, Z, U, L, M, H, A, G, D, R, or C.	.csm
0735	For .csm File Processing, the .csm Container Level field contains an invalid value; it must contain A, B, C, D, G, H, I, J, K, M, N, P, Q, R, S, T, U, V, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, or AQ.	.csm
0736	Reserve	.csm
0737	For .csm File Processing, the .csm Entry Point for Entry Discount – Facility Type field contains an invalid value; it must contain B, A, S, D, R, O, T, N, C, E, J, K, L, M, I, or Q for Periodicals and may also include X for all other mail types.	.csm
0738	For .csm File Processing, the .csm Container Status field contains an invalid value; it must contain P, R, X C, D, or T if populated.	.csm
0739	For future release: For .csm File Processing, the .csm Included in Other Documentation field contains an invalid value; it must contain O or L.	.csm

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Error Number	Error Message	Error Location
0740	For .csm File Processing, the .csm Machinable Mail Piece field contains an invalid value; it must contain Y, N, U, or A.	.csm
0741	For .csm File Processing, the .csm Tray Preparation field contains an invalid value; it must contain P, L, N or S.	.csm
0742	Reserved	.csm
0743	Reserved	.csm
0744	Reserved	.csm
0745	For .csm File Processing, the .csm Sibling Container Indicator field contains an invalid value; it must contain Y (when populated).	.csm
0746	For .csm File Processing, the .csm Container Gross Weight Source field contains an invalid value; it must contain A or E (when populated).	.csm
0747	For .csm File Processing, the .csm Container Height Source field contains an invalid value; it must contain A or E (when populated).	.csm
0748	For .csm File Processing, the .csm USPS Pick Up field contains an invalid value; it must contain Y or N.	.csm
0749	For .csm File Processing, the .csm Special Condition On Limit field contains an invalid value; it must contain OV, UF, SM, SN, or OM (when populated).	.csm
0750	Reserved	.csm
0751	For .csm File Processing, the .csm Label: Container Label Type field contains an invalid value; it must contain 1, 2, 3, or 4 (when populated).	.csm
0752	For .csm File Processing, the .csm Container Contains Overflow Indicator field contains an invalid value; it must contain Y or N (when populated).	.csm
0753	For .csm File Processing, the .csm CSM Record Status field contains an invalid value; it must contain O, D, I, or U.	.csm
0754	For .csm File Processing, the .csm Closing Character field contains an invalid value; it must contain #.	.csm
0755	For .csm File Processing, the .csm Container Level contains an invalid value for Outside-County Periodicals; it must contain A, B, C, D, G, H, I, J, K, M, N, P, Q, R, S, T, U, V, X, Y, Z, AA, AB, AC, AJ, AD, AE, AF, AG, AH, AI, or AJ .	.csm
0756	For .csm File Processing, the .csm Container Level contains an invalid value for First-Class Palletization; it must contain AK, AL, AM, AN, AO, AP, or AQ.	.csm
0757	Reserved	
0758	For .csm File Processing, the following .csm fields must be populated when the .csm Sibling Container field is set to Y: .Job ID, Segment ID, Container ID, Sibling Container Indicator, Sibling Container Reference ID, and for full-service option Label: IM Container or IM Tray Barcode.	.csm Multiple fields
0759	Reserve	.csm Multiple fields
0760	For .csm File Processing, all fields not defined for a Sibling Container must be left blank.	Multiple fields
0761	Reserved	.csm
0762	Reserved	.csm
0763	Duplicate Record Found: Each .csm record must have a unique combination of Job ID, Container ID, and Segment ID.	.csm Multiple fields

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Error Number	Error Message	Error Location
0764	For .csm File Processing, there can be no characters after the .csm Closing Character.	.csm
0765	For .csm File Processing, the .csm Entry Point Actual/Delivery Locale Key must be populated when the .cqt Destination Entry is populated with any character except N.	Multiple files
0766	Reserved	Multiple files
0767	For .mcr File Processing, the following records must exist in order for a .mcr file to exist: Segment record, Mail Piece Unit record, Component record, Primary MPA record.	.mcr Multiple fields
0768	Mismatch Field Value Between Files: The following field must match between the .mcr and .cpt file: Job ID.	Multiple files
0769	Mismatch Field Value Between Files: The following field must match between the .mcr and .cpt file: Component ID.	Multiple files
0770	Mismatch Field Value Between Files: The following field must match between the .mcr and .cpt file: Host Statement Component ID	Multiple files
0771	Mismatch fields Value Between Files: The following field must match between the .mcr and .mpu file: Mail Piece Unit ID.	Multiple files
0772	Mismatch fields Value Between Files: The following field must match between the .mcr and .mpa file: MPA ID.	Multiple files
0773	Mismatch Field Value Between Files: The following field must match between the .mcr and .mpa file: Additional Postage MPA ID.	Multiple files
0774	Mismatch Field Value Between Files: The following field must match between the .mcr and .mpa file: MPA – Unique Sequence/Grouping ID.	Multiple files
0775	Required Field Missing: Job ID is a required field in the .mcr file.	.mcr
0777	Required Field Missing: Mail Piece Unit ID is a required field in the .mcr file.	.mcr
0779	Required Field Missing: Primary MPA ID is a required field in the .mcr file.	.mcr
0780	Required Field Missing: MCR Record Status is a required field in the .mcr file.	.mcr
0781	Required Field Missing: Closing Character is a required field in the .mcr file.	.mcr
0782	Alphanumeric Data Type Error: Job ID must be an alphanumeric value in the .mcr file (when populated).	.mcr
0783	Alphanumeric Data Type Error: Segment ID must be an alphanumeric value in the .mcr file.	.mcr
0784	Alphanumeric Data Type Error: Mail Piece Unit ID must be an alphanumeric value in the .mcr file (when populated).	.mcr
0785	Alphanumeric Data Type Error: Component ID must be an alphanumeric value.	.mcr
0786	Alphanumeric Data Type Error: Primary MPA ID must be an alphanumeric value in the .mcr file (when populated).	.mcr
0787	Alphanumeric Data Type Error: Additional Postage MPA ID must be an alphanumeric value in the .mcr file (when populated).	.mcr
0788	Alphanumeric Data Type Error: Host Statement Component ID must be an alphanumeric value in the .mcr file (when populated).	.mcr
0789	Alphanumeric Data Type Error: Postage Adjustment MPA ID must be an alphanumeric value in the .mcr file (when populated).	.mcr
0790	Alphanumeric Data Type Error: Reserve must be an alphanumeric value in the .mcr file (when populated).	.mcr

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Error Number	Error Message	Error Location
0791	For .mcr File Processing, the .mcr Host Indicator of Ad Computation contains an invalid value; it must contain Y or N.	.mcr
0792	For .mcr File Processing, the .mcr MCR Record Status contains an invalid value; it must contain O, D, or U.	.mcr
0793	For .mcr File Processing, the .mcr Closing Character contains an invalid value; it must contain a #.	.mcr
0794	For .mcr File Processing, the following .mcr fields must exist in order for a .mcr file to exist: Segment ID, Mail Piece Unit ID, Component ID, Primary MPA ID	.mcr Multiple fields
0795	For .mcr File Processing, the .mcr record that exists for every .mpu file must have the same Mail Piece Unit ID.	.mcr Multiple fields
0796	For .mcr File Processing, the .mcr Additional Postage MPA ID is required when the .mpa Postage Payment Method is M, L, C, or S.	Multiple files
0797	Reserve	.mcr
0798	Required Field Missing: Segment ID is a required field in the .mcr file.	.mcr
0799	Reserve	.mcr
0800	Required Field Missing: Component ID is a required field in the .mcr file.	.mcr
0801	Reserve	.mcr
0802	Duplicate Record Found: Each ..mcr record must have a unique combination of Job ID, Segment ID, Mail Piece Unit ID, Component ID, and Primary MPA ID..	.mcr Multiple fields
0803	For .mcr File Processing, there can be no characters after the .mcr Closing Character.	.mcr
0804	For .mcr File Processing, when the .hdr Presentation Category is “Conventional Presort” or “MLOCR", the same Job ID, Segment ID, and Mail Piece Unit ID combination in the .mcr file must be present in the .mpu file.	Multiple files
0805	For .mcr File Processing, the Job ID, and Component ID combination in the .mcr file must be present in the .cpt file.	Multiple files
0806	Mismatch Field Value Between Files: The following fields must match between the .seg and .mpu files: Job ID, Segment ID.	Multiple files
0807	Required Field Missing: Job ID is a required field in the .mpu file.	.mpu
0808	Required Field Missing: Segment ID is a required field in the .mpu file.	.mpu
0809	Required Field Missing: Mail Piece Unit ID is a required field in the .mpu file.	.mpu
0810	Required Field Missing: Mail Piece Unit Name is a required field in the .mpu file.	.mpu
0811	Required Field Missing: Mail Piece Unit – Weight is a required field in the .mpu file.	.mpu
0812	Required Field Missing: MPU – Weight: Source is a required field in the .mpu file.	.mpu
0813	Required Field Missing: MPU – Weight: Status is a required field in the .mpu file.	.mpu
0814	Required Field Missing: Country is a required field in the .mpu file.	.mpu
0815	Reserved	.mpu
0816	Reserved	.mpu
0817	Required Field Missing: MPU Surcharge is a required field in the .mpu file.	.mpu
0818	Required Field Missing: Co-Palletization Code is a required field in the .mpu file.	.mpu
0819	Required Field Missing: MPU Record Status is a required field in the .mpu file.	.mpu
0820	Required Field Missing: Closing Character is a required field in the .mpu file.	.mpu

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Error Number	Error Message	Error Location
0821	Alphanumeric Data Type Error: Job ID must be an alphanumeric value in the .mpu file.	.mpu
0822	Alphanumeric Data Type Error: Segment ID must be an alphanumeric value in the .mpu file.	.mpu
0823	Alphanumeric Data Type Error: Mail Piece Unit ID must be an alphanumeric value in the .mpu file.	.mpu
0824	Alphanumeric Data Type Error: Mail Piece Unit Name must be an alphanumeric value in the .mpu file.	.mpu
0825	Alphanumeric Data Type Error: Mail Piece Unit Description must be an alphanumeric value in the .mpu file.	.mpu
0826	Alphanumeric Data Type Error: Co-Palletization Code must be an alphanumeric value in the .mpu file.	.mpu
0827	Alphanumeric Data Type Error: User Option must be an alphanumeric value in the .mpu file (if populated).	.mpu
0828	Reserved	.mpu
0829	Alphanumeric Data Type Error: Reserve must be an alphanumeric value in the .mpu file.	.mpu
0830	Numeric Data Type Error: Mail Piece Unit – Weight must be a numeric value in the .mpu file.	.mpu
0831	Numeric Data Type Error: Mail Piece Unit – Length must be a numeric value in the .mpu file.	.mpu
0832	Numeric Data Type Error: Mail Piece Unit – Width must be a numeric value in the .mpu file.	.mpu
0833	Numeric Data Type Error: Mail Piece Unit – Thickness must be a numeric value in the .mpu file.	.mpu
0834	Numeric Data Type Error: Mail Piece Unit – Periodical Ad % must be a numeric value in the .mpu file.	.mpu
0835	Numeric Data Type Error: Confirm Subscriber ID must be a numeric value in the .mpu file.	.mpu
0836	Numeric Data Type Error: Pre-Denominated Amount must be a numeric value in the .mpu file	.mpu
0837	Date Data Type Error: Five Digit Scheme Database Date must be a valid numeric value formatted as YYYYMMDD in the .mpu file.	.mpu
0838	For .mpu File Processing, the .mpu MPU - Weight field contains an invalid value; it must contain 0, 1, 2, 3, 4, 5, 6, 7, 8, or 9.	.mpu
0839	For .mpu File Processing, the .mpu MPU - Weight Source field contains an invalid value; it must contain A, C, P, or L.	.mpu
0840	For .mpu File Processing, the .mpu MPU - Weight Status field contains an invalid value; it must contain N, P, F, or M.	.mpu
0841	For .mpu File Processing, the .mpu MPU Periodical Ad % Status field contains an invalid value; it must contain N, P, or F.	.mpu
0842	For .mpu File Processing, the .mpu Mail Piece Unit - Class contains an invalid value; it must contain 1, 2, 3, 4, or 5.	.mpu
0843	For .mpu File Processing, the .mpu Mail Piece Unit - Rate Type contains an invalid value; it must contain R, N, S, C, B, T, P, L, F, B, E, G, O, J, K, W, or Y.	.mpu
0844	For .mpu File Processing, the .mpu Rate Schedule contains an invalid value; it must contain P (when populated).	.mpu

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Error Number	Error Message	Error Location
0845	For .mpu File Processing, the .mpu Country contains an invalid value; it must contain USA.	.mpu
0846	For .mpu File Processing, the .mpu MPU Surcharge contains an invalid value; it must contain N, O, P, Q, R, S, D, 1, or 2.	.mpu
0847	For .mpu File Processing, the .mpu Sibling Container Mailing contains an invalid value; it must contain Y or Blank.	.mpu
0848	For .mpu File Processing, the .mpu Postage Affixed Type contains an invalid value; it must contain S or M.	.mpu
0849	For .mpu File Processing, the .mpu Bulk Insurance contains an invalid value; it must contain Y, N, or O.	.mpu
0850	For .mpu File Processing, the .mpu MPU Record Status contains an invalid value; it must contain O, D, I, U.	.mpu
0851	For .mpu File Processing, the .mpu Closing Character contains an invalid value; it must contain #.	.mpu
0852	Reserve	.mpu
0853	For .mpu File Processing, the .mpu MPU Periodical Ad% Status is P or F so .mpu MPU Periodical Ad % must be <= 100.	.mpu Multiple fields
0854	For .mpu File Processing, the .mpu MPU Class is required when .mpu MPU Rate Type and .mpu MPU Processing Category are populated.	.mpu Multiple fields
0855	For .mpu File Processing, the .mpu Flat Machinability contains an invalid value; it must contain Y, U, or N when .mpu Mail Piece Unit - Class is 2 or 5 and .mpu Processing Category is FL.	.mpu Multiple fields
0856	For .mpu File Processing, the .mpu Mail Piece Unit - Processing Category contains an invalid value; it must contain LT, CD, FL, PF, MP, IR, or NP when .mpu Mail Piece Unit - Class is 1.	.mpu Multiple fields
0857	For .mpu File Processing, the .mpu Mail Piece Unit - Rate Type contains an invalid value; it must contain R, E, G, J, K, O, or T when .mpu Mail Piece Unit - Class is 1.	.mpu Multiple fields
0858	For .mpu File Processing, the .mpu Mail Piece Unit - Processing Category contains an invalid value; it must contain LT, FL, IR, MP, or NP when .mpu Mail Piece Unit - Class is 2.	.mpu Multiple fields
0859	For .mpu File Processing, the .mpu Mail Piece Unit - Rate Type contains an invalid value; it must contain R, N, S, C, W, or Y when .mpu Mail Piece Unit - Class is 2.	.mpu Multiple fields
0860	For .mpu File Processing, the .mpu Mail Piece Unit - Processing Category contains an invalid value; it must contain LT, FL, MP, IR, NP, NA, NB, or CM when .mpu Mail Piece Unit - Class is 3.	.mpu Multiple fields
0861	For .mpu File Processing, the .mpu Mail Piece Unit - Rate Type contains an invalid value; it must contain R or N when .mpu Mail Piece Unit - Class is 3.	.mpu Multiple fields
0862	For .mpu File Processing, the .mpu Mail Piece Unit - Processing Category contains an invalid value; it must contain FL, MP, IR, or NP when .mpu Mail Piece Unit - Class is 4.	.mpu Multiple fields
0863	For .mpu File Processing, the .mpu Mail Piece Unit - Rate Type contains an invalid value; it must contain B, P, L, F, or D when .mpu Mail Piece Unit - Class is 4.	.mpu Multiple fields

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Error Number	Error Message	Error Location
0864	For .mpu File Processing, the .mpu Mail Piece Unit - Processing Category contains an invalid value; it must contain LT, FL, IR, MP, or NP when .mpu Mail Piece Unit - Class is 5.	.mpu Multiple fields
0865	For .mpu File Processing, the .mpu Mail Piece Unit - Rate Type contains an invalid value; it must contain R, N, S, C, W, or Y when .mpu Mail Piece Unit - Class is 5	.mpu Multiple fields
0866	Reserve	.mpu
0867	Reserve	.mpu
0868	Reserve	.mpu
0869	Duplicate Record Found: Each .mpu record must have a unique combination of Job ID, Segment ID, and Mail Piece Unit ID.	.mpu Multiple fields
0870	For .mpu File Processing, the there can be no characters in the .mpu file after the Closing Character.	.mpu
0871	For .mpu File Processing, missing .mpu record for the .seg file when the .hdr presentation category is "Conventional Presort" or "MLOCR".	Multiple files
0872	For .mpu File Processing, the .mpu Co-Palletization Code must be populated if a .wsr file is used in the Mail.dat transmission.	Multiple files
0873	For .mpu File Processing, missing .mpu record matching .cqt Mail Piece Unit ID based on Mail Piece Unit - Class and Processing Category.	Multiple files
0874	Reserve	Multiple files
0875	For future release: Mismatch Field Value Between Files: The following fields must match between the .oci and .csm file: Container ID.	Multiple files
0876	For future release: Required Field Missing: Job ID is a required field in the .oci file.	.oci
0877	For future release: Required Field Missing: Container ID is a required field in the .oci file.	.oci
0878	For future release: Alphanumeric Data Type Error: Job ID must be an alphanumeric value in the .oci file.	.oci
0879	For future release: Alphanumeric Data Type Error: Original Job ID must be an alphanumeric value in the .oci file.	.oci
0880	For future release: Alphanumeric Data Type Error: Original Segment ID must be an alphanumeric value in the .oci file.	.oci
0881	For future release: Alphanumeric Data Type Error: Original Display Container ID must be an alphanumeric value in the .oci file.	.oci
0882	For future release: Alphanumeric Data Type Error: Original Label: IM Container or IM Tray Barcode must be an alphanumeric value in the .oci file.	.oci
0883	For future release: Alphanumeric Data Type Error: Original Mail.XML Job ID must be an alphanumeric value in the .oci file.	.oci
0884	For future release: Alphanumeric Data Type Error: Original Mail.XML Customer Group ID must be an alphanumeric value in the .oci file.	.oci
0885	For future release: Alphanumeric Data Type Error: Reserve must be an alphanumeric value in the .oci file.	.oci
0886	For future release: Numeric Data Type Error: Job ID must be a numeric value in the .oci file.	.oci
0887	For future release: Numeric Data Type Error: Container ID must be a numeric value in the .oci file.	.oci

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Error Number	Error Message	Error Location
0888	For future release: Numeric Data Type Error: Original Container ID must be a numeric value in the .oci file.	.oci
0889	For future release: Numeric Data Type Error: Original Mail.XML Container ID must be a numeric value in the .oci file.	.oci
0890	For future release: For .oci File Processing, the .oci OCI Record Status contains an invalid value; it must contain O, D, or U.	.oci
0891	For future release: For .oci File Processing, the .oci Closing Character contains an invalid value; it must contain #.	.oci
0892	For future release: For .oci File Processing, the .oci file must be included when the .csm Included in Other Documentation field is set to L.	Multiple files
0893	Reserve	.oci
0894	Reserve	.oci
0895	For future release: Duplicate Record Found: Each .oci record must have a unique combination of Job ID and Container ID.	.oci Multiple fields
0896	For future release: For .oci File Processing, there can be no characters after the .oci Closing Character.	.oci
0897	For Periodical Processing, the .cpt Periodical Ad % Status field contains an invalid value; it must contain N, P, or F.	.cpt
0898	For Periodical Processing, the .cpt Periodical Ad % Treatment field contains an invalid value; it must contain B, N or S.	.cpt
0899	For Periodical Processing, the .cqt Rate Category field contains an invalid value; it must contain A, B, D, E, G, H, K, L, N, O, L1, L2, L3, L4, L5, L6, FB, AF, KF, BF, GF, DF, and NF.	.cqt
0900	For Periodical Processing, the .cqt Periodical: Not County/In County field contains an invalid value; it must contain I or N.	.cqt
0901	For Periodical Processing, the .cqt Sub / Non-Sub / Requestor Indicator field contains an invalid value; it must contain S, N, R, or O.	.cqt
0902	For Periodical Processing, the .cqt Periodicals Co-Palletization Discount Indicator field contains an invalid value; it must contain either Y or N	.cqt
0903	Reserved	.csm
0904	Reserved	.csm, .cqt
0905	Reserved	.csm, .cqt
0906	Reserved	.csm, .cqt
0907	Reserved	.csm, .cqt
0908	Reserved	
0909	Reserved	.mpu
0910	Reserved	
0911	For Periodical Processing, the .cqt Rate Category is Firm, so the .pqt Package Level must be A.	.pqt, .cqt
0912	Reserved	.pqt, .cqt
0913	Reserved	.pqt, .cqt
0914	Reserved	.pqt, .cqt
0915	Reserved	.pqt, .cqt
0916	For Periodical Processing, the .psr Periodical Issue Date field must contain a valid numeric value formatted as YYYYMMDD.	.psr

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Error Number	Error Message	Error Location
0917	Mismatch Field Value Between Files: The following fields must match between the .cqt and .pqt file: Job ID, CQT Database ID.	Multiple files
0918	Required Field Missing: Job ID is a required field in the .pqt file.	.pqt
0919	Required Field Missing: CQT Database ID is a required field in the .pqt file	.pqt
0920	Required Field Missing: Package ID is a required field in the .pqt file.	.pqt
0921	Required Field Missing: Package Zip Code is a required field in the .pqt file.	.pqt
0922	Required Field Missing: Number of Copies is a required field in the .pqt file	.pqt
0923	Required Field Missing: Number of Pieces is a required field in the .pqt file.	.pqt
0924	Required Field Missing: PQT Record Status is a required field in the .pqt file.	.pqt
0925	Required Field Missing: Package Level is a required field in the .pqt file.	.pqt
0926	Required Field Missing: Closing Character is a required field in the .pqt file.	.pqt
0927	Alphanumeric Data Type Error: Job ID must be an alphanumeric value in the .pqt file.	.pqt
0928	Alphanumeric Data Type Error: Package ID must be an alphanumeric value in the .pqt file.	.pqt
0929	Alphanumeric Data Type Error: Package ZIP Code must be an alphanumeric value in the .pqt file.	.pqt
0930	Alphanumeric Data Type Error: Package Barcode must be an alphanumeric value in the .pqt file (when populated).	.pqt
0931	Alphanumeric Data Type Error: Reserve must be an alphanumeric value in the .pqt file (when populated).	.pqt
0932	Alphanumeric Data Type Error: Package Carrier Route must be an alphanumeric value in the .pqt file (when populated).	.pqt
0933	Numeric Data Type Error: CQT Database ID must be a numeric value in the .pqt file.	.pqt
0934	Numeric Data Type Error: Number of Copies must be a numeric value in the .pqt file.	.pqt
0935	Numeric Data Type Error: Number of Pieces must be a numeric value in the .pqt file.	.pqt
0936	Numeric Data Type Error: Bundle Charge Allocation must be a numeric value in the .pqt file (when populated).	.pqt
0937	For .pqt File Processing, the .pqt Package Status contains an invalid value; it must contain C (when populated).	.pqt
0938	For .pqt File Processing, the .pqt PQT Record Status contains an invalid value; it must contain O, D, I or U.	.pqt
0939	For .pqt File Processing, the .pqt Package Carrier Route contains an invalid value; it must start with C, R, H, B, or G followed by 3 numbers with no illegal meta characters (if populated).	.pqt
0940	For .pqt File Processing, the .pqt Closing Character contains an invalid value; it must contain #.	.pqt
0944	Duplicate Record Found: Each .pqt record must have a unique combination of Job ID, CQT Database ID, and Package ID.	.pqt Multiple fields
0945	For .pqt File Processing, there must be no characters after the .pqt Closing Character.	.pqt
0946	For .pqt File Processing, if the .seg Class Defining Preparation equals 2 then the .pqt Package Level must be A, B, C, D, F, H, I, K, L, M, T, U, V, X, or Y.	Multiple files

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Error Number	Error Message	Error Location
0947	For .pqt File Processing, if the .seg Class Defining Preparation does not equal 2, then the .pqt Package Level must be A, B, C, D, F, H, I, K, L, M, O, R, S, T, U, V, X, or Y.	Multiple files
0948	Reserved	Multiple files
0949	For .pqt File Processing, the .pqt file must have a matching Job ID with the .wsr file.	Multiple files
0950	For .cqt File Processing, the .wsr file is missing; it must be submitted when the .cqt Rate Category is A.	Multiple files
0951	Mismatch Field Value Between Files: The following field must match between the .seg and .hdr file: Job ID.	Multiple files
0952	Required Field Missing: Job ID is a required field in the .seg file.	.seg
0953	Required Field Missing: Segment ID is a required field in the .seg file.	.seg
0954	Required Field Missing: Segment Description is a required field in the .seg file.	.seg
0955	Required Field Missing: Logical/Physical Container Indicator is a required field in the .seg file	.seg
0956	Required Field Missing: Log/Phy Package Indicator is a required field in the .seg file.	.seg
0957	Required Field Missing: LOT Database Date is a required field in the .seg file.	.seg
0958	Required Field Missing: Verification Facility Name is a required field in the .seg file.	.seg
0959	Required Field Missing: Verification Facility ZIP+4 is a required field in the .seg file.	.seg
0960	Required Field Missing: Automation Coding Date is a required field in the .seg file.	.seg
0961	Required Field Missing: Carrier Route Coding Date is a required field in the .seg file.	.seg
0962	Required Field Missing: Carrier Route Sequencing Date is a required field in the .seg file.	.seg
0963	Required Field Missing: Mail Facility ID is a required field in the .seg file.	.seg
0964	Required Field Missing: SEG Record Status is a required field in the .seg file.	.seg
0965	Required Field Missing: Closing Character is a required field in the .seg file.	.seg
0966	Alphanumeric Data Type Error: Segment ID must be an alphanumeric value in the .seg file.	.seg
0967	Alphanumeric Data Type Error: Segment Description must be an alphanumeric value in the .seg file.	.seg
0968	Alphanumeric Data Type Error: Production Set-up Code must be an alphanumeric value in the .seg file.	.seg
0969	Alphanumeric Data Type Error: Verification Facility Name must be an alphanumeric value in the .seg file.	.seg
0970	Alphanumeric Data Type Error: Static Planet Code must be an alphanumeric value in the .seg file.	.seg
0971	Alphanumeric Data Type Error: EMD Mailing – Generic Package Barcode must be an alphanumeric value in the .seg file.	.seg
0972	Alphanumeric Data Type Error: Mail Facility ID must be an alphanumeric value in the .seg file.	.seg
0973	Alphanumeric Data Type Error: MPA ID for Container and Bundle Charge Method must be an alphanumeric value in the .seg file.	.seg

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Error Number	Error Message	Error Location
0974	Alphanumeric Data Type Error: CSA Agreement ID must be an alphanumeric value in the .seg file.	.seg
0975	Alphanumeric Data Type Error: User Option must be an alphanumeric value in the .seg file.	.seg
0976	Alphanumeric Data Type Error: Reserve must be an alphanumeric value in the .seg file.	.seg
0977	Numeric Data Type Error: Verification Facility ZIP+4 to be a numeric value in the .seg file.	.seg
0978	Date Data Type Error: LOT Database Date must be a valid numeric value formatted as YYYYMMDD in the .seg file.	.seg
0979	Date Data Type Error: Automation Coding Date must be a valid numeric value formatted as YYYYMMDD in the .seg file since automation mail exists.	.seg
0980	Date Data Type Error: Carrier Route Coding Date must be a valid numeric value formatted as YYYYMMDD in the .seg file since carrier route mail exists.	.seg
0981	Date Data Type Error: Carrier Route Sequencing Date must be a valid numeric value formatted as YYYYMMDD in the .seg file since carrier route walk sequence mail exists.	.seg
0982	Date Data Type Error: Move Update Date must be a valid numeric value formatted as YYYYMMDD in the .seg file.	.seg
0983	Date Data Type Error: Requested Presort Verification Completion Date must be a valid numeric value formatted as YYYYMMDD in the .seg file.	.seg
0984	Date Data Type Error: Requested Piece Weight Verification Completion Date must be a valid numeric value formatted as YYYYMMDD in the .seg file.	.seg
0985	Date Data Type Error: Zone Matrix Date must be a valid numeric value formatted as YYYYMMDD in the .seg file.	.seg
0986	For .seg File Processing, the .seg Principal Processing Category field contains an invalid value; it must contain LT, FL, CD, CM, NB, NP, MP, IR, PF, or NA.	.seg
0987	For .seg File Processing, the .seg Substituted Container Prep field contains an invalid value; it must contain S or T (when populated).	.seg
0988	For .seg File Processing, the .seg Periodicals Newspaper Treatment field contains an invalid value; it must contain Y or N (when populated).	.seg
0989	For .seg File Processing, the .seg Logical/Physical Container Indicator field contains an invalid value; it must contain L or P.	.seg
0990	Reserved	
0991	For .seg File Processing, the .seg Sibling Container Mailing field contains an invalid value; it must contain Y (when populated).	.seg
0992	For .seg File Processing, the .seg Confirm Indicator field contains an invalid value; it must contain S, P, N, or R (when populated).	.seg
0993	For .seg File Processing, the .seg L.O.T. Direction Indicator field contains an invalid value; it must contain F or R (when populated).	.seg
0994	For .seg File Processing, the .seg Barcode Verifier Indicator field contains an invalid value; it must contain Y or N for MLOCR mailings.	.seg
0995	For .seg File Processing, the .seg EMD Barcode Indicator field contains an invalid value; it must contain M, S, or P (when populated).	.seg
0996	For .seg File Processing, the .seg PDR Population Status field contains an invalid value; it must contain P or F (when populated).	.seg
0997	For .seg File Processing, the .seg Detached Address Label Indicator field contains an invalid value; it must contain Y (when populated).	.seg

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Error Number	Error Message	Error Location
0998	For .seg File Processing, the .seg Mailing Agreement Type field contains an invalid value; it must contain A, B, C, D, E, or F (when populated).	.seg
0999	For .seg File Processing, the .seg Container Bundle and Charge Method field contains an invalid value; it must contain 0, 1, 2, or 3.	.seg
1000	For .seg File Processing, the .seg Presentation Category field contains an invalid value; it must contain P or A for MLOCR mailings.	.seg
1001	Reserve	.seg
1002	For .seg File Processing, the .seg Less Than a Presort Segment Presentation field contains an invalid value; it must contain Y or N (when populated).	.seg
1003	For .seg File Processing, the .seg Full-Service Participation Indicator field contains an invalid value; it must contain F or M (when populated).	.seg
1004	For .seg File Processing, the .seg Standard Mail Sacking Criteria - Basic ECR field contains an invalid value; it must contain CO, CF, or CB (when populated).	.seg
1005	For .seg File Processing, the .seg Standard Mail Sacking Criteria - Basic field contains an invalid value; it must contain CO, CF, or CB (when populated).	.seg
1006	For .seg File Processing, the .seg Standard Mail Sacking Criteria - 3-Digit or 5-Digit field contains an invalid value; it must contain CO, CF, or CB (when populated).	.seg
1007	For .seg File Processing, the .seg Package Service Sacking Criteria - CR field contains an invalid value; it must contain PC, TP, or PT (when populated).	.seg
1008	For .seg File Processing, the .seg Package Service Sacking Criteria - 3-Digit or 5-Digit field contains an invalid value; it must contain PC, TP, or PT (when populated).	.seg
1009	For .seg File Processing, the .seg Package Service Sacking Criteria - Basic field contains an invalid value; it must contain PC, TP, or PT (when populated).	.seg
1010	For .seg File Processing, the .seg the Presentation Category field contains an invalid value; it must contain P or A for One-Pass Finalization.	.seg
1011	For .seg File Processing, the .seg Presentation Category field contains an invalid value; it must contain P or A for Two-Pass Finalization (when populated).	.seg
1012	For .seg File Processing, the .seg Move Update Method field contains an invalid value; it must contain 0, 1, 2, 3, 4, 5, 6, or 7 (when populated).	.seg
1013	For .seg File Processing, the .seg SEG Record Status field contains an invalid value; it must contain O, D, I or U.	.seg
1014	Required Field Missing: Static Planet Code is a required field in the .seg file when the .seg Confirm Indicator is S.	.seg Multiple fields
1015	Required Field Missing: Move Update Date is a required field in the .seg file when .seg Move Update Method is 1, 2, 3, or 5.	.seg Multiple fields
1016	Required Field Missing: Class Defining Preparation is a required field in the .seg file when .seg Principal Processing Category is populated.	.seg Multiple fields
1017	Required Field Missing: Principal Processing Category is a required field in the .seg file when .seg Class Defining Preparation is populated.	.seg Multiple fields
1018	Required Field Missing: Presentation Category is a required field in the .seg file when .hdr Presentation Category is M.	Multiple files

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Error Number	Error Message	Error Location
1019	Required Field Missing: MPA ID for Container and Bundle Charge Method is a required field in the .seg file when .seg Container and Bundle Charge Method is 1 or 2.	.seg Multiple fields
1020	For .seg File Processing, the .seg Closing Character field contains an invalid value; it must contain #.	.seg
1021	For .seg File Processing, the .seg Class Defining Preparation is 1 so .seg Principal Processing Category must be LT, FL, CD, PF, MP, IR, or NP.	.seg Multiple fields
1022	For .seg File Processing, the .seg Class Defining Preparation is 2 so .seg Principal Processing Category must be LT, FL, IR, MP or NP.	.seg Multiple fields
1023	For .seg File Processing, the .seg Class Defining Preparation is 3 so .seg Principal Processing Category must be LT, FL, MP, IR, NP, NA, NB, or CM.	.seg Multiple fields
1024	For .seg File Processing, the .seg Class Defining Preparation is 4 so .seg Principal Processing Category must be FL, MP, IR, or NP.	.seg Multiple fields
1025	For .seg File Processing, the .seg Class Defining Preparation is 4 so .seg Package Service Packaging Criteria must be PD, PC, or CB.	.seg Multiple fields
1026	For .seg File Processing, the .seg Automation Coding Date cannot be earlier than 90 calendar days before Mailing Date since automation mail exists.	.seg Multiple fields
1027	Reserve	.seg Multiple fields
1028	Reserve	.seg Multiple fields
1029	Duplicate Record Found: Each .seg record must have a unique combination of Job ID and Segment ID.	.seg Multiple fields
1030	For .seg File Processing, there can be no characters after the .seg Closing Character.	.seg
1031	For .seg File Processing, the Job ID in the .seg file must be present in the .hdr file.	Multiple files
1032	For .seg File Processing, the .mpa MPA ID must match the .seg MPA ID for Container and Bundle Charge Method.	Multiple files
1033	For future use.	
1034	Special rates are not authorized for this mailing, as the .mpa Permit information does not reference a post office of mailing granting an active permit.	
1035	For .seg File Processing, the record with a .csm Container Status of R, a .seg Class Defining Preparation of 2, and a .cpt Component - Rate Type of H will be rejected since the .cpt Component Weight of the ride-along is greater than the maximum allowed single ride-along piece weight.	.seg Multiple fields
1036	For .seg File Processing, the record with a .csm Container Status of R, a .seg Class Defining Preparation of 2, and a .cpt Component - Rate Type of H will be rejected since the .mcr Host Component ID is not specified in the .mcr file and no host record is found.	.seg Multiple fields

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Error Number	Error Message	Error Location
1037	Reserve	
1038	Reserve	
1039	For .seg File Processing, the record with a .csm Container Status of R, a .seg Class Defining Preparation of 2 or 5, a .cpt Component - Rate Type of N, and a .cpt Component - Class of 3 will be rejected since the Nonprofit permit number associated with the .mcr record does not have a valid application number or authorization number.	.seg Multiple fields
1040	For .seg File Processing, the record with a .csm Container Status of R, a .seg Class Defining Preparation of 2 or 5, a .cpt Component - Class/Component - Rate Type of 1/R, 3/R, or 3/N will be rejected since there is no matching finance number.	.seg Multiple fields
1041	For .seg File Processing, the record with a .csm Container Status of R, a .seg Class Defining Preparation of 2 or 5, a .cpt Component - Class/Component - Rate Type of 1/R, 3/R, or 3/N will be rejected since there is no .mpa Postage Payment Method.	.seg Multiple fields
1042	For .seg File Processing, the record with a .csm Container Status of R, a .seg Class Defining Preparation of 2 or 5, a .cpt Component Class/Component Rate Type of 1/R, 3/R, or 3/N will be rejected since there is no matching permit number.	.seg Multiple fields
1043	For .seg File Processing, the record with a .csm Container Status of R, a .seg Class Defining Preparation of 2 or 5, a .cpt Component Class/Component Rate Type of 1/R, 3/R, or 3/N will be rejected since there is no matching .mcr record.	.seg Multiple fields
1044	For .seg File Processing, the record with a .csm Container Status of R, a .seg Class Defining Preparation of 2 or 5, a .cpt Component Class/Component Rate Type of 1/R, 3/R, or 3/N will be rejected since the .mpa USPS Publication Number and .mpa Permit Number are both populated.	.seg Multiple fields
1045	For .seg File Processing, the record with a .csm Container Status of R, a .seg Class Defining Preparation of 2 or 5, a .cpt Component Class/Component Rate Type of 1/R, 3/R, or 3/N will be rejected since the .mpa USPS Publication Number and .mpa Permit Number are both null.	.seg Multiple fields
1046	For .seg File Processing, the record with a .csm Container Status of R, a .seg Class Defining Preparation of 2 or 5, a non-incidental enclosure .cpt Component Class/Component Rate Type of 1/R, 3/R, or 3/N will be rejected since no permit is found.	.seg Multiple fields
1047	Reserve	
1048	For .seg File Processing, the .seg Class Defining Preparation must be 1, 2, 3, or 4.	.seg
1049	Mismatch Field Value Between Files: The following field must match between the .par and .mcr files: Job ID	Multiple files
1050	Mismatch Field Value Between Files: The following field must match between the .par and .mcr files: Segment ID	Multiple files
1051	Mismatch Field Value Between Files: The following field must match between the .par and .mcr files: Mail Piece Unit ID	Multiple files
1052	Mismatch Field Value Between Files: The following field must match between the .par and .mcr files: Component ID	Multiple files
1053	Required Field Missing: Job ID is a required field in the .par file.	.par
1054	Required Field Missing: Segment ID is a required field in the .par file.	.par
1055	Required Field Missing: Mail Piece Unit ID is a required field in the .par file.	.par
1056	Required Field Missing: Component ID is a required field in the .par file.	.par

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Error Number	Error Message	Error Location
1057	Required Field Missing: Sequence Number is a required field in the .par file.	.par
1058	Required Field Missing: Date is a required field in the .par file.	.par
1059	Required Field Missing: Adjustment Type is a required field in the .par file.	.par
1060	Required Field Missing: Adjustment Amount is a required field in the .par file.	.par
1061	Required Field Missing: Credit/Debit Indicatory is a required field in the .par file.	.par
1062	Required Field Missing: Adjustment Status is a required field in the .par file.	.par
1063	Required Field Missing: MPA – Unique Sequence / Grouping ID is a required field in the .par file.	.par
1064	Required Field Missing: PAR Record Status is a required field in the .par file.	.par
1065	Required Field Missing: Closing Character is a required field in the .par file.	.par
1066	Alphanumeric Data Type Error: Job ID must be an alphanumeric value in the .par file.	.par
1067	Alphanumeric Data Type Error: Segment ID must be an alphanumeric value in the .par file.	.par
1068	Alphanumeric Data Type Error: Mail Piece Unit ID must be an alphanumeric value in the .par file.	.par
1069	Alphanumeric Data Type Error: Component ID must be an alphanumeric value in the .par file.	.par
1070	Alphanumeric Data Type Error: User Comments must be an alphanumeric value in the .par file (when populated).	.par
1071	Alphanumeric Data Type Error: MPA – Unique Sequence / Grouping ID must be an alphanumeric value in the .par file.	.par
1072	Alphanumeric Data Type Error: Reserve must be an alphanumeric value in the .par file (when populated).	.par
1073	Alphanumeric Data Type Error: Rate Type must be an alphanumeric value in the .par file (when populated).	.par
1074	Alphanumeric Data Type Error: User Postage Statement ID must be an alphanumeric value in the .par file (when populated).	.par
1075	Alphanumeric Data Type Error: User Option must be an alphanumeric value in the .par file (when populated).	.par
1076	Numeric Data Type Error: Segment ID must be a numeric value in the .par file, if the field is filled with leading zeros.	.par
1077	Numeric Data Type Error: Mail Piece Unit ID must be a numeric value in the .par file, if the field is filled with leading zeros.	.par
1078	Numeric Data Type Error: Component ID must be a numeric value in the .par file, if the field is filled with leading zeros.	.par
1079	Numeric Data Type Error: Sequence Number must be a numeric value in the .par file.	.par
1080	Numeric Data Type Error: Adjustment Amount must be a numeric value in the .par file (when populated).	.par
1081	Numeric Data Type Error: Total Piece Affected must be a numeric value in the .par file (when populated).	.par
1082	Numeric Data Type Error: MPA- Unique Sequence / Grouping ID must be a numeric value in the .par file, if the field is filled with leading zeros.	.par
1083	Numeric Data Type Error: PSR Unique Record Identifier must be a numeric value in the .par file (when populated).	.par

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Error Number	Error Message	Error Location
1084	Date Data Type Error: Date must be a valid numeric value formatted as YYYYMMDD in the .par file.	.par
1085	For .par File Processing, the .par Adjustment Type field contains an invalid value; it must contain 3 or 4.	.par
1086	For .par File Processing, the .par Credit/Debit Indicator field contains an invalid value; it must contain D.	.par
1087	For .par File Processing, the .par Credit/Debit Indicator field contains an invalid value; it must contain C or D.	.par
1088	For .par File Processing, the .par Adjustment Status field contains an invalid value; it must contain R.	.par
1089	For .par File Processing, the .par PAR Record Status field contains an invalid value; it must contain O, D, I, or U.	.par
1090	For .par File Processing, the .par Closing Character field contains an invalid value; it must contain #.	.par
1091	For .par File Processing, the .par Sequence Number must be a unique number that differentiates this .par record from other .par records.	.par
1096	Duplicate Record Error: Each .par record must have a unique combination of Job ID, Segment ID, Mail Piece Unit ID, Component ID, and Sequence Number.	.par Multiple fields
1097	Reserve	.par
1098	For .par File Processing, there must be only one .par USPS Postage Statement ID in the .par file for a single postage statement.	.par
1099	For .par File Processing, there can be no characters after the .par Closing Character.	.par
1100	For .par File Processing, the .par Adjustment Status field must contain R when a .par file is submitted without a corresponding .psr file.	Multiple files
1101	For future release: For .par File Processing, a .psr file that is received with a .csm Container Status of R must have a corresponding postage statement generated from a container in the same transmission with an R in the Container Status field of the .csm.	Multiple files
1102	For .par File Processing, the Job ID and Component ID combination in the .cpt file can only exist in one .par file.	Multiple files
1103	For .par File Processing, each .par file must have an associated .mpa Postage Payment Method field set to P or G.	Multiple files
1104	For .par File Processing, each .par file must have an associated .mpa Postage Payment Option field set to D, T, or O.	Multiple files
1105	For .par File Processing, the .par MPA – Unique Sequence / Grouping ID field must map back to an existing .mcr MPA ID in the .mcr file.	Multiple files
1106	Mismatch Field Value Between Files: The .par PSR Unique Record Identifier field must be equal to the .psr PSR Unique ID.	Multiple files
1107	For .par File Processing, the Adjustment Amount cannot be a zero dollar amount in the .par file.	.par
1108	Mismatch Field Value Between Files: The following field must match between the .cqt and .csm files: Job ID.	Multiple files
1109	Mismatch Field Value Between Files: The following field must match between the .cqt and .csm files: Container ID	Multiple files
1110	Mismatch Field Value Between Files: The following field must match between the .cqt and .mpu files: Mail Piece Unit ID	Multiple files

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Error Number	Error Message	Error Location
1111	Required Field Missing: Job ID is a required field in the .cqt file and must be a unique value.	.cqt
1112	Required Field Missing: CQT Database ID is a required field in the .cqt file.	.cqt
1113	Required Field Missing: Container ID is a required field in the .cqt file.	.cqt
1114	Required Field Missing: Zone is a required field in the .cqt file.	.cqt
1115	Required Field Missing: Destination Entry is a required field in the .cqt file.	.cqt
1116	Required Field Missing: Rate Category is a required field in the .cqt file.	.cqt
1117	Required Field Missing: Barcode Discount or Surcharge is a required field in the .cqt file.	.cqt
1118	Required Field Missing: Periodicals: Sub/Non-Sub/Requestor Indicator is a required field in the .cqt file.	.cqt
1119	Required Field Missing: Periodicals Co-Palletization Discount Indicator is a required field in the .cqt file.	.cqt
1120	Required Field Missing: Number of Copies is a required field in the .cqt file.	.cqt
1121	Required Field Missing: Number of Pieces is a required field in the .cqt file.	.cqt
1122	Required Field Missing: Service Level Indicator is a required field in the .cqt file.	.cqt
1123	Required Field Missing: CQT Record Status is a required field in the .cqt file.	.cqt
1124	Required Field Missing: Closing Character is a required field in the .cqt file.	.cqt
1125	Alphanumeric Data Type Error: Job ID must be an alphanumeric value in the .cqt file.	.cqt
1126	Alphanumeric Data Type Error: 3 Digit/5 Digit Container Division must be an alphanumeric value in the .cqt file.	.cqt
1127	Alphanumeric Data Type Error: Mail Piece Unit ID must be an alphanumeric value in the .cqt file.	.cqt
1128	Alphanumeric Data Type Error: Reserve must be an alphanumeric value in the .cqt file.	.cqt
1129	Numeric Data Type Error: CQT Database ID must be a numeric value in the .cqt file.	.cqt
1130	Numeric Data Type Error: Container ID must be a numeric value in the .cqt file.	.cqt
1131	Numeric Data Type Error: Number of Copies must be a numeric value in the .cqt file.	.cqt
1132	Numeric Data Type Error: Number of Pieces must be a numeric value in the .cqt file.	.cqt
1133	Numeric Data Type Error: Exp Per HE, HW, SC Pub-Origin Delivery Zone must be a numeric value in the .cqt file (when populated).	.cqt
1134	Numeric Data Type Error: Exp HE, HW, SC Pub-Origin 3 Digit ZIP must be a numeric value in the .cqt file (when populated).	.cqt
1135	Numeric Data Type Error: Container Charge Allocation must be a numeric value in the .cqt file (when populated).	.cqt
1136	Numeric Data Type Error: ZAP Agent Code must be a numeric value in the .cqt file when populated.	.cqt
1137	For .cqt File Processing, the .cqt Zone field contains an invalid value; it must contain S, D, L, N, V, 1, 3, 4, 5, 6, 7, or 8.	.cqt
1138	Reserve	
1139	For .cqt File Processing, the .cqt Destination Entry field contains an invalid value; it must contain B, S, D, N, A, P, Q, or O.	.cqt

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Error Number	Error Message	Error Location
1140	For .cqt File Processing, the .cqt Rate Category field contains an invalid value; it must contain A, B, D, E, F, G, H, I, J, K, L, N, O, S, X, Y, Z1, Z2, Z3, Z4, Z5, AF, BF, KF, GF, NF, FB, PI, PM, P7, P8, NG, NK, N5, N6, L6, L7, or L8.	.cqt
1141	Reserve	
1142	For .cqt File Processing, the .cqt Barcode Discount or Surcharge field contains an invalid value; it must contain O, B, D, S, or I.	.cqt
1143	For .cqt File Processing, the .cqt Periodicals: Sub/Non-Sub/Requestor Indicator field contains an invalid value; it must contain S, N, O, or R	.cqt
1144	For .cqt File Processing, the .cqt Periodicals Co-Palletization Discount Indicator field contains an invalid value; it must contain Y or N.	.cqt
1145	For .cqt File Processing, the .cqt Service Level Indicator field contains an invalid value; it must contain F, B, P, or O.	.cqt
1146	For .cqt File Processing, the .cqt CQT Record Status field contains an invalid value; it must contain O, D, or U.	.cqt
1147	For .cqt File Processing, the .cqt Closing Character field contains an invalid value; it must contain #.	.cqt
1148	For .cqt File Processing, the .cqt Zone contains an invalid value; it must contain D, S, V, 1, 2, 3, 4, 5, 6, 7, or 8 when .cqt Periodicals Not County/In County is N.	.cqt Multiple fields
1149	For .cqt File Processing, the .cqt Zone contains an invalid value; it must contain D or N when .cqt Periodicals Not County/In County is I.	.cqt Multiple fields
1150	For .cqt File Processing, the .cqt Zone contains an invalid value; it must contain 1, 3, 4, 5, 6, 7, 8, or N for Bound Printed Matter.	.cqt Multiple fields
1151	For .cqt File Processing, the .cqt Zone contains an invalid value; it must contain N for First-Class Mail.	.cqt Multiple fields
1152	For .cqt File Processing, the .cqt Zone contains an invalid value; it must contain N for Media Library Mail.	.cqt Multiple fields
1153	For .cqt File Processing, the .cqt Zone contains an invalid value; it must contain N for Standard Mail.	.cqt Multiple fields
1154	For .cqt File Processing, the .cqt Zone contains an invalid value; it must contain 1, 3, 4, 5, 6, 7, or 8 for Priority Mail.	.cqt Multiple fields
1155	For .cqt File Processing, the .cqt Zone contains an invalid value; it must contain 1, 3, 4, 5, 6, 7, 8, L, or N for Parcel Post.	.cqt Multiple fields
1156	For .cqt File Processing, the .cqt Zone contains an invalid value; it must contain P or Q for Package Services.	.cqt Multiple fields
1157	Reserve	.cqt Multiple fields
1158	For .cqt File Processing, the .cqt Rate Category contains an invalid value; it must contain S, N, or D for Bound Printed Matter.	.cqt Multiple fields

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Error Number	Error Message	Error Location
1159	For .cqt File Processing, the .cqt Rate Category contains an invalid value; it must contain E, H, L1, L2, L3, L4, L5, N, S, G, and K for First-Class Mail.	.cqt Multiple fields
1160	For .cqt File Processing, the .cqt Rate Category contains an invalid value; it must contain S, N, and G for Media Mail and Library Mail.	.cqt Multiple fields
1161	For .cqt File Processing, the .cqt Rate Category contains an invalid value; it must contain S for Priority Mail.	.cqt Multiple fields
1162	For .cqt File Processing, the .cqt Rate Category contains an invalid value; it must contain S, Z1, Z2, G, and K for Parcel Post.	.cqt Multiple fields
1163	For .cqt File Processing, the .cqt Rate Category contains an invalid value; it must contain N for Standard Mail – Custom Market Mail.	.cqt Multiple fields
1164	For .cqt File Processing, the .cqt Rate Category contains an invalid value; it must contain A, B, D, E, G, H, K, L3, L4, L5, and L6 for Standard Mail - Flats.	.cqt Multiple fields
1165	For .cqt File Processing, the .cqt Rate Category contains an invalid value; it must contain A, B, D, E, G, H, K, L, N, O, L1, L2, L3, L4, L5, L6, FB, AF, KF, BF, GF, DF, and NF for Periodicals.	.cqt Multiple fields
3658	For .cqt File Processing, the .cqt Rate Category contains an invalid value; it must contain A, B, D, E, G, H, K, S, L1, L2, L3, L5, AF, BF, KF, GF, DF, L6, L7, L8, N5, N6, NG, and NK for Standard Mail - Letters.	.cqt Multiple fields
3659	For .cqt File Processing, the .cqt Rate Category contains an invalid value; it must contain A, B, D, PE, PQ, and PR for Standard Mail – Machinable Parcels.	.cqt Multiple fields
3660	For .cqt File Processing, the .cqt Rate Category contains an invalid value; it must contain A, B, D, P5, P6, P7, P8, PG, PI, PK, and PM for Standard Mail – Irregular Parcels.	.cqt Multiple fields
3661	For .cqt File Processing, the .cqt Rate Category contains an invalid value; it must contain NG, NK, N5, and N6 for Standard Mail - NFM.	.cqt Multiple fields
1166	Reserve	.cqt
1167	Reserve	.cqt
1168	Duplicate Record Found: Each .cqt record must have a unique combination of Job ID, CQT Database ID, Container ID, and Mail Piece Unit ID.	.cqt Multiple fields
1169	For .cqt File Processing, there can be no characters after the .cqt file Closing Character.	.cqt
1170	Alphanumeric Data Type Error: Original User License Code must be an alphanumeric value in the .oci file.	.oci
2201	Numeric Data Type Error: Job ID must be a numeric value in the .cqt file, if the field is filled with leading zeros.	.cqt
2202	Numeric Data Type Error: CQT Database ID must be a numeric value in the .cqt file, if the field is filled with leading zeros.	.cqt
2203	Numeric Data Type Error: Container ID must be a numeric value in the .cqt file, if the field is filled with leading zeros.	.cqt

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Error Number	Error Message	Error Location
2204	Required Field Missing: 3 Digit/5 Digit Container Division is a required field in the .cqt file.	.cqt
2205	Required Field Missing: Mail Piece Unit ID is a required field in the .cqt file.	.cqt
2206	Numeric Data Type Error: Mail Piece Unit ID must be a numeric value in the .cqt file, if the field is filled with leading zeros.	.cqt
2207	The Zone field contains an invalid value; it must contain S,D,L,1,3,4,5,6,7,8,N,V	.cqt
2208	The Destination Entry field contains an invalid value; it must contain B,S,D,N,A,P,Q,O	.cqt
2209	Reserve	
2210	Required Field Missing: The Periodical: Not County/In County is a required field in the .cqt file for Periodicals.	.cqt
2211	Reserve	
2301	Reserve	
2302	Reserve	
2303	Reserve	
2304	Reserve	
2305	Reserve	
2306	Reserve	
2307	Required Field Missing: Original Container Identification File Status is a required field in the .hdr file.	.hdr
2308	Reserve	.hdr
2401	Alphanumeric Data Type Error: Job ID must be an alphanumeric value in the .seg file.	.seg
2402	Numeric Data Type Error: Job ID must be a numeric value in the .seg file, if the field is filled with leading zeros.	.seg
2403	Required Field Missing: Class Defining Preparation is a required field in the .seg file.	.seg
2404	Alphanumeric Data Type Error: Class Defining Preparation must be an alphanumeric value in the .seg file.	.seg
2405	Required Field Missing: Principal Processing Category is a required field in the .seg file.	.seg
2406	For .seg File Processing, the .seg Package Services Packaging Criteria field contains an invalid value; it must contain PC,PD, or CB.	.seg
2407	Required Field Missing: Container Bundle and Charge Method is a required field in the .seg file.	.seg
2410	Alphanumeric Data Type Error: Presentation Category must be an alphanumeric value in the .seg file.	.seg
2411	Reserve	.seg
2415	Numeric Data Type Error: MPA ID must be a numeric value in the .seg file, if the field is filled with leading zeros.	.seg
2501	Numeric Data Type Error: Job ID must be a numeric value in the .pqt file, if the field is filled with leading zeros.	.pqt
2502	Numeric Data Type Error: CQT Database ID must not contain spaces in the .pqt file, and be filled with leading zeros if necessary.	.pqt
2503	Numeric Data Type Error: Package ID must be a numeric value in the .pqt file, if the field is filled with leading zeros.	.pqt

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Error Number	Error Message	Error Location
2601	Numeric Data Type Error: Job ID must be a numeric value in the .csm file, if the field is filled with leading zeros.	.csm
2602	Numeric Data Type Error: Segment ID must be a numeric value in the .csm file, if the field is filled with leading zeros.	.csm
2603	Numeric Data Type Error: Container ID must be a numeric value in the .csm file, if the field is filled with leading zeros.	.csm
2604	Numeric Data Type Error: Display Container ID must be a numeric value in the .csm file, if the field is filled with leading zeros.	.csm
2605	Reserve	.csm
2606	Reserve	.csm
2607	Required Field Missing: Entry Point - Actual / Delivery - Locale Key is a required field in the .csm file.	.csm
2608	Alphanumeric Data Type Error: Entry Point - Actual / Delivery - Locale Key must be an alphanumeric value in the .csm file.	.csm
2609	Required Field Missing: Entry Point - Actual / Delivery - Postal Code is a required field in the .csm file.	.csm
2610	Alphanumeric Data Type Error: Entry Point - Actual / Delivery - Postal Code must be an alphanumeric value in the .csm file.	.csm
2611	Numeric Data Type Error: Parent Container Reference ID must be a numeric value in the .csm file.	.csm
2612	Reserve	.csm
2613	Reserve	.csm
2614	Alphanumeric Data Type Error: Scheduled Induction Time must be an alphanumeric value formatted as HH:MM in the .csm file (when populated).	.csm
2615	Required Field Missing: Total Weight is a required field in the .csm file.	.csm
2616	Numeric Data Type Error: Unique Container ID must be a numeric value in the .csm file, if the field is filled with leading zeros.	.csm
2617	Alphanumeric Data Type Error: Container Status must be an alphanumeric value in the .csm file.	.csm
2618	Reserve	.csm
2619	Numeric Data Type Error: Sibling Container Reference ID must be a numeric value in the .csm file .	.csm
2620	Reserve	.csm
2620	Reserve	.csm
2621	Numeric Data Type Error: Postage Grouping ID must be a numeric value in the .csm file, if the field is filled with leading zeros.	.csm
2622	Reserve	.csm
2623	Reserve	.csm
2624	Reserve	.csm
2625	Reserve	.csm
2626	Reserve	.csm
2627	Reserve	.csm
2628	Reserve	.csm
2629	Reserve	.csm
2631	Reserve	.csm

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Error Number	Error Message	Error Location
2632	Alphanumeric Data Type Error: CSA Trip ID must be an alphanumeric value in the .csm file.	.csm
2701	Numeric Data Type Error: Job ID must be a numeric value in the .wsr file, if the field is filled with leading zeros.	.wsr
2702	Numeric Data Type Error: Segment ID must be a numeric value in the .wsr file, if the field is filled with leading zeros.	.wsr
2801	Numeric Data Type Error: Job ID must be a numeric value in the .imr file, if the field is filled with leading zeros.	.imr
2802	Numeric Data Type Error: Container ID must be a numeric value in the .imr file, if the field is filled with leading zeros.	.imr
2803	Numeric Data Type Error: IMR Unique ID must be a numeric value in the .imr file, if the field is filled with leading zeros.	.imr
2804	Required Field Missing: Closing Character is a required field in the .imr file.	.imr
2901	Numeric Data Type Error: Job ID must be a numeric value in the .mpa file, if the field is filled with leading zeros.	.mpa
2902	Numeric Data Type Error: Unique Sequence/Grouping ID must be a numeric value in the .mpa file, if the field is filled with leading zeros.	.mpa
2903	Alphanumeric Data Type Error: Customer Reference ID must be an alphanumeric value in the .mpa file.	.mpa
2904	Required Field Missing: Postage Payment Method is a required field in the .mpa file.	.mpa
3001	Numeric Data Type Error: Job ID must be a numeric value in the .cpt file, if the field is filled with leading zeros.	.cpt
3002	Alphanumeric Data Type Error: Component ID must be an alphanumeric value in the .cpt file.	.cpt
3003	Numeric Data Type Error: Component ID must be a numeric value in the .cpt file, if the field is filled with leading zeros.	.cpt
3004	Required Field Missing: Component - Weight is a required field in the .cpt file.	.cpt
3005	Required Field Missing: Component - Weight: Status is a required field in the .cpt file.	.cpt
3006	Required Field Missing: Component - Periodical Ad Percentage: Status is a required field in the .cpt file.	.cpt
3007	Reserve	.cpt
3101	Numeric Data Type Error: Job ID must be a numeric value in the .mpu file, if the field is filled with leading zeros.	.mpu
3102	Numeric Data Type Error: Segment ID must be a numeric value in the .mpu file, if the field is filled with leading zeros.	.mpu
3103	Numeric Data Type Error: Mail Piece Unit ID must be a numeric value in the .mpu file, if the field is filled with leading zeros.	.mpu
3104	Required Field Missing: Mail Piece Unit - Class is a required field in the .mpu file.	.mpu
3105	Required Field Missing: Mail Piece Unit - Rate Type is a required field in the .mpu file.	.mpu
3106	Required Field Missing: Mail Piece Unit - Processing Category is a required field in the .mpu file.	.mpu
3107	Reserve	.mpu
3108	Reserve	.mpu

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Error Number	Error Message	Error Location
3201	Numeric Data Type Error: Job ID must be a numeric value in the .par file, if the field is filled with leading zeros.	.par
3202	Reserve	.par
3301	Numeric Data Type Error: Job ID must be a numeric value in the .pdr file, if the field is filled with leading zeros.	.pdr
3302	Reserve	.pdr
3303	Reserve	.pdr
3304	Required Field Missing: Piece ID is a required field and must be a unique value in the .pdr file.	.pdr
3305	Alphanumeric Data Type Error: Piece ID must be an alphanumeric value in the .pdr file.	.pdr
3306	Numeric Data Type Error: Piece ID must be a numeric value in the .pdr file, if the field is filled with leading zeros.	.pdr
3307	The Component - Line-Of-Travel Seq. Direction Code field contains an invalid value; it must contain A, or D.	.pdr
3401	Numeric Data Type Error: Job ID must be a numeric value in the .mcr file, if the field is filled with leading zeros.	.mcr
3402	Numeric Data Type Error: Segment ID must be a numeric value in the .mcr file, if the field is filled with leading zeros.	.mcr
3403	Numeric Data Type Error: Mail Piece Unit ID must be a numeric value in the .mcr file, if the field is filled with leading zeros.	.mcr
3404	Numeric Data Type Error: Component ID must be a numeric value in the .mcr file, if the field is filled with leading zeros.	.mcr
3405	Numeric Data Type Error: Host Statement Component ID must be a numeric value in the .mcr file, if the field is filled with leading zeros.	.mcr
3406	Numeric Data Type Error: Postage Adjustment MPA ID must be a numeric value in the .mcr file, if the field is filled with leading zeros.	.mcr
3501	For future release: Numeric Data Type Error: Job ID must be a numeric value in the .psr file, if the field is filled with leading zeros.	.psr
3502	For future release: Numeric Data Type Error: PSR Unique ID must be a numeric value in the .psr file .	.psr
3503	For future release: Required Field Missing: Mailing Facility is a required field in the .psr file.	.psr
3504	For future release: Required Field Missing: User Postage Statement ID is a required field in the .psr file.	.psr
3505	For future release: Required Field Missing: Container Ready to Pay Transaction identifier is a required field in the .psr file.	.psr
3506	For future release: The Mail Owner's Lcl Permit Ref Num / Int'l Bill Num - Type field contains an invalid value; it must contain S, M, P, G, V or H.	.psr
3507	For future release: Alphanumeric Data Type Error: Permit ZIP Code + 4 must be an alphanumeric value in the .psr file.	.psr
3508	For future release: Alphanumeric Data Type Error: Standard Mail Sacking Criteria – 3-Digit or 5-Digit must be an alphanumeric value in the .psr file.	.psr
3509	For future release: Alphanumeric Data Type Error: Standard Mail Sacking Criteria - Basic must be an alphanumeric value in the .psr file.	.psr
3510	For future release: The Package Services Packaging Criteria field contains an invalid value; it must contain PC, PD, or CB	.psr

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Error Number	Error Message	Error Location
3511	For future release: Date Data Type Error: Carrier Route Sequencing Date must be a valid date formatted as YYYYMMDD in the .psr file (when populated).	.psr
3512	For future release: Required Field Missing: PSR Record Status is a required field in the .psr file.	.psr
3513	For future release: Required Field Missing: Closing Character is a required field in the .psr file.	.psr
3514	When the Sibling Container Field is set to Y, only the following fields may be populated: Job ID, Segment ID, Container ID of the Sibling Container, Container Type, Sibling Container Indicator field, Sibling Container Reference ID, Label 10: Character Container Barcode, Label: Destination Line 1, Label: Destination Line 2, Label: Content Line 1, Label: Content Line 2, Label: Entry (Origin) Point Line, Label: User Information Line 1, Label: User Information Line 2, Label: Container Label CIN Code, and Label: Container Label.	.csm
3515	Reserve	.csm
3516	Reserve	.csm
3518	Required Field(s) Missing: .Component - Processing Category, Component - Rate Type, and Component - Class fields must all be populated or they all must be empty in the .cpt file.	.cpt
3520	Reserve	.cpt
3521	Reserve	.cpt
3522	Reserve	.cpt
3523	Reserve	cpt
3525	Reserve	.mpu
3526	Reserve	.mpa
3527	Reserve	.csm
3528	Reserve	.seg Multiple fields
3530	Numeric Data Type Error: USPS Postage Statement ID must be a numeric value in the .par file (when populated).	.par
3531	Reserve	.cpt
3532	Numeric Data Type Error: Parent Container ID must be a numeric value in the .csm file (when populated).	.csm
3533	Reserve	.pqt, .cqt
3534	Reserve	.csm Multiple fields
3535	Reserve	.psr
3536	For future release: Alphanumeric Data Type Error: Package Service, Media Mail and Library Mail Sacking must be an alphanumeric value in the .psr file (when populated).	.psr
3537	For future release: Alphanumeric Data Type Error: If the Job ID begins with a 0 all characters in the Job ID field must be numbers in the .psr file.	.psr
3538	Numeric Data Type Error: Unique Sequence/Grouping ID field must be filled with leading zeros if the value is numeric in the .mpa file.	.mpa
3539	Numeric Data Type Error: Pallet/Cage CIN Code must be a numeric value in the .msr file (when populated).	.msr

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Error Number	Error Message	Error Location
3540	Numeric Data Type Error: Piece Range-Set CR must be a numeric value in the .msr file (when populated).	.msr
3541	Numeric Data Type Error: Piece Range-Set Zone must be a numeric value in the .msr file (when populated).	.msr
3542	For MLOCR Mailings, the Mail.dat job cannot contain mixed mail classes.	.mpu
3543	For MLOCR Mailings, the .mpu Processing Category for the mailpiece is invalid for First-Class Mail; it must be CD (Card), LT (Letter), or FL (Flat).	.mpu
3544	For MLOCR Mailings, the .cqt Rate Category is invalid for First-Class Mail flats; it must be an automation category.	.cqt
3545	For future release.	mpu
3546	For MLOCR Mailings, the .mpu Mailpiece Unit- Weight must be less than or equal to 3.3 ounces when the mpu Mailpiece Unit- Processing Category is LT or CD, and the .mpa Postage Payment Method is L, C, P, G or M, and the .seg Class Defining Preparation is 1.	mpu
3547	For MLOCR Mailings, the .csm Container Type contains an invalid value; it must be O, T, E, F, L, M, P, G, D, R C H or A.	csm
3548	For MLOCR Mailings, it can only contain L, C, P, M, G, or S when the Postage Payment Method contains an invalid value for Standard mail (Letters)	mpa
3549	Reserved	
3550	Reserved	
3551	Reserved	
3552	Reserved	
3553	This job could not be cancelled/deleted because component equivalents in jobs [Job ID] refer to this job.	.cpt
3554	Reserved	
3555	Referential Integrity Error: The Container ID in the .cqt file does not have a corresponding parent Container ID in the .csm file.	Referential Integrity
3556	Referential Integrity Error: The MPU ID in the .cqt file does not have a corresponding parent MPU ID in the .mpu file.	Referential Integrity
3557	Referential Integrity Error: There cannot be duplicate primary keys in the .cqt file (CQT Database ID).	Referential Integrity
3558	Referential Integrity Error: The Job ID in the .mpu file does not match the Job ID in the .hdr file.	Referential Integrity
3559	Referential Integrity Error: The Segment ID in the .mpu file does not have a corresponding parent Segment ID in the .seg file.	Referential Integrity
3560	Referential Integrity Error: There cannot be duplicate primary keys in the .mpu file (Segment ID, MPU ID).	Referential Integrity
3561	Referential Integrity Error: The Job ID in the .pqt file does not match the Job ID in the .hdr file.	Referential Integrity
3562	Referential Integrity Error: The CQT Database ID in the .pqt file does not have a corresponding parent CQT Database ID in the .cqt file.	Referential Integrity
3563	Referential Integrity Error: There cannot be duplicate primary keys in the .cqt file (CQT Database ID, Package ID).	Referential Integrity
3564	Referential Integrity Error: The Job ID in the .pdr file does not match the Job ID in the .hdr file.	Referential Integrity
3565	Referential Integrity Error: The CQT Database ID in the .pdr file does not have a corresponding parent CQT Database ID in the .pqt file.	Referential Integrity

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Error Number	Error Message	Error Location
3566	Referential Integrity Error: The Package ID in the .pdr file does not have a corresponding parent Package ID in the .pqt file.	Referential Integrity
3567	Referential Integrity Error: There cannot be duplicate primary keys in the .pdr file (Piece ID).	Referential Integrity
3568	Referential Integrity Error: The Job ID in the .cpt file does not match the Job ID in the .hdr file.	Referential Integrity
3569	Referential Integrity Error: There cannot be duplicate primary keys in the .cpt file (Component ID).	Referential Integrity
3570	Referential Integrity Error: The Job ID in the .mcr file does not match the Job ID in the .hdr file.	Referential Integrity
3571	Referential Integrity Error: The Segment ID and MPU ID Composite Key in the .mcr file does not have a corresponding parent Segment ID and MPU ID in the .mpu file.	Referential Integrity
3572	Reserve	
3573	Referential Integrity Error: The Component ID in the .mcr file does not have a corresponding parent Component ID in the .cpt file.	Referential Integrity
3574	Referential Integrity Error: The Primary MPA ID in the .mcr file does not have a corresponding parent MPA ID in the .mpa file.	Referential Integrity
3575	Referential Integrity Error: The Additional Postage MPA ID in the .mcr file does not have a corresponding parent MPA ID in the .mpa file.	Referential Integrity
3576	Referential Integrity Error: There cannot be duplicate primary keys in the .mcr file (Segment ID, MPU ID, Component ID).	Referential Integrity
3577	Reserve	
3578	Referential Integrity Error: The Segment ID in the .par file does not have a corresponding parent Segment ID in the .mcr file.	Referential Integrity
3579	Referential Integrity Error: The MPU ID in the .par file does not have a corresponding parent MPU ID in the .mcr file.	Referential Integrity
3580	Referential Integrity Error: The Component ID in the .par file does not have a corresponding parent Component ID in the .par file.	Referential Integrity
3581	Referential Integrity Error: There cannot be duplicate primary keys in the .par file (Segment ID, MPU ID, Component ID, Sequence Number).	Referential Integrity
3582	Referential Integrity Error: The Job ID in the .mpa file does not match the Job ID in the .hdr file.	Referential Integrity
3583	Referential Integrity Error: There cannot be duplicate primary keys in the .mpa file (Mpa Sequence ID).	Referential Integrity
3584	Referential Integrity Error: The Job ID in the .psr file does not match the Job ID in the .hdr file.	Referential Integrity
3585	Referential Integrity Error: The Container RTP ID in the .psr file does not have a corresponding parent Container RTP ID in the .csm file.	Referential Integrity
3586	Reserve	
3587	Referential Integrity Error: The Job ID in the .imr file does not match the Job ID in the .hdr file.	Referential Integrity
3588	Referential Integrity Error: The Container ID in the .imr file does not have a corresponding parent Container ID in the .csm file.	Referential Integrity
3589	Referential Integrity Error: There cannot be duplicate primary keys in the .imr file (Container ID, IMR Unique ID).	Referential Integrity

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Error Number	Error Message	Error Location
3590	Referential Integrity Error: The Job ID in the .wsr file does not match the Job ID in the .hdr file.	Referential Integrity
3591	Referential Integrity Error: The Segment ID in the .wsr file does not have a corresponding parent Segment ID in the .seg file.	Referential Integrity
3592	Referential Integrity Error: There cannot be duplicate primary keys in the .wsr file (Segment ID, Package Zip Code, Package CR Number).	Referential Integrity
3593	The .cqt Rate Category is Mixed ADC/AADC, so the .pqt Package Level must be K, L, M, V.	Multiple Files
3594	The .csm Sibling Container Indicator contains an invalid value, it must be null when the container status for a Periodical is R.	.csm
3595	There must be at least one Container Type M (Logical Pallet MLOCR) in the .csm record when the .seg Logical/Physical Container is L (Logical).	.csm
3596	At least one .cqt or .imr Service Level Indicator must be F when the .seg Full-Service Participation Indicator is M.	Multiple Files
3597	The first 9 digits of the 'IM Barcode Upper Serialization' and 'IM Barcode Lower Serialization' in the .imr should be the same if a 9 digit Mailer ID is submitted.	.imr
3598	Referential Integrity Error: The Segment ID in the .csm file does not have a corresponding parent Segment ID in the .seg file.	Referential Integrity
3599	Referential Integrity Error: There cannot be duplicate primary keys in the .csm file (Segment ID, Container ID).	Referential Integrity
3600	Referential Integrity Error: The Job ID in the .cqt file does not match the Job ID in the .hdr file.	Referential Integrity
3601	Referential Integrity Error: The Job ID in the .seg file does not match the Job ID in the .hdr file.	Referential Integrity
3602	Referential Integrity Error: There cannot be duplicate primary keys in the .seg file (Segment ID).	Referential Integrity
3603	Referential Integrity Error: The Job ID in the .csm file does not match the Job ID in the .hdr file.	Referential Integrity
3604	Referential Integrity Error: The Total Number of Copies from all .csm child handling unit records must equal the .csm parent record Number of Copies.	Referential Integrity
3605	Referential Integrity Error: The Total Number of Pieces from all .csm child handling unit records must equal the .csm parent record Number of Pieces.	Referential Integrity
3606	Referential Integrity Error: The .csm parent Container ID must match the child container's Parent Container Reference ID.	Referential Integrity
3607	Referential Integrity Error: The .csm parent Container ID must match the .cqt child container's Container ID (.cqt).	Referential Integrity
3608	Referential Integrity Error: The Total Number of Copies from all .cqt child handling unit records must equal the .csm parent record Number of Copies.	Referential Integrity
3609	Referential Integrity Error: The Total Number of Pieces from all .cqt child handling unit records must equal the .csm parent record Number of Pieces.	Referential Integrity
3610	Record status [Record number] for the .seg file does not match the Header File Status.	Referential Integrity
3611	Record status [Record number] for the mpu file does not match the Header File Status.	Referential Integrity
3612	Record status [Record number] for the mcr file does not match the Header File Status.	Referential Integrity
3613	Record status [Record number] for the mpa file does not match the Header File Status.	Referential Integrity

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Error Number	Error Message	Error Location
3614	Record status [Record number] for the cpt file does not match the Header File Status.	Referential Integrity
3615	Record status [Record number] for the csm file does not match the Header File Status.	Referential Integrity
3616	Record status [Record number] for the cqt file does not match the Header File Status.	Referential Integrity
3617	Record status [Record number] for the pqt file does not match the Header File Status.	Referential Integrity
3618	Record status [Record number] for the wsr file does not match the Header File Status.	Referential Integrity
3619	Record status [Record number] for the pdr file does not match the Header File Status.	Referential Integrity
3620	Record status [Record number] for the par file does not match the Header File Status.	Referential Integrity
3621	Record status [Record number] for the imr file does not match the Header File Status.	Referential Integrity
3622	Reserve	
3623	[File Name] File status of [Record number] does not match the header file status.	Referential Integrity
3624	Reserve	
3625	Header Historical Sequence Number must be decremented for any updates to the job.	Referential Integrity
3626	Referential Integrity Error: The sum of Total Weight from all .csm child handling unit records must equal the parent record's Total Weight.	Referential Integrity
3627	Referential Integrity Error: The Number of Pieces in the parent .pqt file must be equal to the number of child .pdr files.	Referential Integrity
3628	Referential Integrity Error: The Number of Copies in the parent .pqt file must be equal to the number of child .pdr files.	Referential Integrity
3629	Referential Integrity Error: The .pdr file does not have a parent.	Referential Integrity
3630	Referential Integrity Error: The Total Number of Copies from all .pqt child handling unit records must equal the .cqt parent record Number of Copies.	Referential Integrity
3631	Referential Integrity Error: The Total Number of Pieces from all .pqt child handling unit records must equal the .cqt parent record Number of Pieces.	Referential Integrity
3632	Referential Integrity Error: The CQT Database ID in the .pqt child record does not have a corresponding CQT Database ID in the .cqt record.	Referential Integrity
3633	Reserve	
3634	Referential Integrity Error: The .csm Sibling Container Reference ID does not have a matching .csm Container ID.	Referential Integrity
3635	Referential Integrity Error: A physical container cannot be a referenced as a sibling by another container.	Referential Integrity
3636	Referential Integrity Error: A Container with a Sibling Container Indicator with a value of 'Y' must be referenced by other containers.	Referential Integrity
3637	The Periodicals: Sub / Non-Sub / Requestor Indicator field of the .cqt file is invalid; only S, N, R are valid for Periodicals.	.cqt
3638	The Container and Bundle Charge Method field of the .seg file should be populated with a 0 when no Periodicals are included in the mailing.	.seg

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Error Number	Error Message	Error Location
3639	The Component - Rate Type field contains an invalid value; it must contain R, N, S, C, W, Y, M or Z when Component - Class is 5.	.cpt
3640	The MPU Rate Type and MPU Processing Category fields must be populated to populate the MPU Class.	.mpu
3641	Reserve	
3642	Reserve	
3643	Reserve	
3644	The Component - Processing Category field of the .cpt does not match the Processing Category in the .mpu.	Referential Integrity
3645	Reserve	
3646	The 'Entry Point Actual/Delivery Locale Key' of the .csm file cannot be populated when the 'Destination Entry' field of the .cqt file is populated with 'N'.	Multiple Files
3647	The IM Barcode contains an invalid value; it must contain no more than 31 alphanumeric characters followed by spaces when .seg Principal Processing Category is LT (letter), FL (flat), or CD (card).	.pdr
3648	If the .mcr Primary MPA ID has an associated .mpa Postage Payment Method of S, L, C, or M, then the .mpa Postage Payment Method for the .mcr Additional Postage MPA ID must be P or G.	Multiple Files
3649	The Periodicals bundle must create a bundle for each unique combination of Container ID, Package ID, Package ZIP Code, and Package Carrier Route in the .pqt file.	.pqt
3650	The Class Defining Preparation in .pqt file must contain only the characters A, B, C, D, F, H, I, K, L, M, T, U, or V for Periodicals.	.pqt
3651	The Class Defining Preparation in .pqt file must contain only the characters A, B, C, D, F, H, I, K, L, M, O, R, S, T, U, V, X or Y for non-Periodicals.	.pqt
3652	The Automation Coding Date of the .seg file needs not be a date and must be filled with numbers, not all zero.	.seg
3653	The Automation Coding Date of the .seg file must be no earlier than 90 calendar days before the mailing date.	.seg
3654	The Carrier Route Coding Date of the .seg file needs not be a date and must be filled with numbers, not all zero.	.seg
3655	The Carrier Route Sequence Date of the .seg file needs not be a date and must be filled with numbers, not all zeros.	.seg
3656	The USPS Publication Number or Permit Number field needs to be populated to pay for an enclosure.	.mpa
3657	The IM Barcode contains an invalid value; it must contain 34 alphanumeric characters when .seg Principal Processing Category is parcels.	.pdr
3658	Rate Category contains an invalid value; it must contain A, B, D, E, G, H, K, L1, L2, L3, L5, AF, BF, DF, GF, KF, L6, L7, L8, N5, N6, NG, or NK when Processing Category is Standard Mail - Letter.	.cqt
3659	Rate Category contains an invalid value; it must contain A, B, D, PE, PQ, or PR when Processing Category is Standard Mail - Machinable Parcel.	.cqt
3660	Rate Category contains an invalid value; it must contain A, B, D, P5, P6, P7, P8, PG, PI, PK, or PM when Processing Category is Standard Mail - Irregular Parcel.	.cqt
3661	Rate Category contains an invalid value; it must contain NG, NK, N5, or N6 when Processing Category is Standard Mail - Standard Mail NFM.	.cqt
3662	Numeric Data Type Error: Segment ID must be a numeric value in the .seg file if the field is filled with leading zeros.	.seg

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Error Number	Error Message	Error Location
3663	There cannot be more than one .pqt Package Level associated to a Package ID.	.pqt
3664	Reserve	
3665	Reserve	
3666	The finance number mapped to the CRID does not match with the finance number mapped to the Permit Zip Code.	.mpa
3667	There are no finance numbers mapped to the CRID.	.seg
3668	[Field name] field in the [file name] file cannot be updated.	Updates
3669	The Primary MPA ID must match the "MPU Unique Sequence/Grouping ID" in the .mpa file of the first submission.	.mpa
3670	The .mpu Class should be same as the .seg Class for all mail except for Pending Periodicals.	Multiple Files
3671	The .mpu Class should be same as the .cpt Class for all mail except for Periodicals.	Multiple Files
3672	For MLOCR Mailings, the Component Weight information must be populated.	MLOCR Mailings
3673	The job submitted is currently being processed.	Updates
3674	One field between the USPS Publication Number and Permit Number must be populated in .mpa file record.	.mpa
3675	Rate Type field of the .cpt file should be R or Z when the CPT Class is set to 1 (First Class Mail) and mpu.class is set to 2, 4, or 5.	Multiple Files
3676	Rate Type field of the .cpt file should be R or Z when the CPT Class is set to 3 (First Class Mail) and mpu.class is set to 2, 4, or 5.	Multiple Files
3677	Required Field Missing: Postage Statement Mailing Date is a required field in the .csm file when container is a non-sibling and the container status is R.	.csm
3678	For an update job, the .csm Container Status cannot be blank.	Updates
3679	For MLOCR mailings, .csm Container Status cannot be changed to 'P'.	MLOCR Mailings
3680	For MLOCR Mailings, there must be a MPU record that has a matching MPU ID when the job type is O (Original) and the CQT record has either, a class of 1 (First Class) and a process category of LT (Letters) or CD (Cards), or a class of 3 (Standard) and a process category of LT (Letters).	MLOCR Mailings
3681	The Component - Rate Type field contains an invalid value; it must contain R, N, S, C, B, T, H, M, P, L, F, B, E, G, I, J, K, D, W, Y, or Z.	.cpt
3682	The Component - Rate Type field contains an invalid value; it must contain R, N, S, C, B, T, H, M, P, L, F, B, E, G, I, J, K, D, O, W, Y, or Z.	.cpt
3683	There can be no characters after the Closing Character.	Multiple Files
3684	Postage Payment Method 'T' for pending Periodicals in the .mpa file is only valid where the Mail Piece Unit - Class is 5.	.mpa
3685	Reserve	
3686	The Container Status field contains an invalid value; it must contain P, R or O (when populated) for original submissions.	.csm
3687	Reserve	
3688	Record Status of U is not allowed in PAR file.	.par
3689	PAR records are not allowed for periodicals.	.par
3690	Referential Integrity Error: The .csm parent Container ID must match the .imr sibling container's Container ID (.imr).	Referential Integrity

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Error Number	Error Message	Error Location
3691	Referential Integrity Error: The .imr Piece Count must equal a count between the .csm parent record Number of Pieces and Number of Copies.	Referential Integrity
3692	Required Field Missing: Service Level Indicator is a required field in the .cqt file.	.cqt
3693	Required Field Missing: XML PDR File Status is a required field in the .hdr file.	.hdr
3694	The PAR File cannot be changed or updated if any PAR records exist from the original job submission.	.par
3695	Required Field Missing: Actual Container Ship Date is a required field in the .csm file when Actual Container Ship Time is present.	.csm
3696	Required Field Missing: Scheduled Pick Up Date is a required field in the .csm file when Scheduled Pick Up Time is present.	.csm
3715	For MLOCR Mailings, there must be at least one logical tray.	MLOCR Mailings
3716	When the .seg Full-Service Participation indicator is set to 'F' or 'M', there must be at least one sibling physical handling unit/container for each logical handling unit/container within the .csm file when the .csm Container Status is set to R.	MLOCR Mailings
3753	The .csm Scheduled Induction Date must be populated for full-service mailings when the .csm Entry Point for Entry Discount - Facility Type is set to ‘D’ for DDU.	.csm
3757	For .cpt File Processing, the .cpt Ad% Basis must be populated when the .cpt Periodical Ad% Treatment is 'S'.	.cpt
3758	For .cpt File Processing, the .cpt Periodical Ad% Treatment and .cpt Component - Periodical Ad Percentage must be populated when the.cpt Ad% Basis is populated.	.cpt
3759	For .cpt File Processing, the .cpt Periodical Ad% Treatment and .cpt Ad% Basis must be populated when the .cpt Component - Periodical Ad Percentage is populated.	.cpt
3788	Referential Integrity Error: The number of child .pdr records must equal a count between the Number of Pieces and the Number of Copies in the parent .csm file.	Referential Integrity
3789	Referential Integrity Error: The Number of Copies in the parent .csm file must be equal to the number of child .pdr files.	Referential Integrity
3793	The .cpt Ad Percentage Basis must be populated when multiple component records with Periodical Ad Percentage Treatment of 'S' are associated to a single MPU record.	.cpt
3796	The IMR piece count must be equal to the difference between the IMR Barcode Upper Serialization and the IMR Barcode Lower Serialization.	.imr
3797	For MLOCR Mailings, a planned file cannot be submitted with a container status of 'R' (Ready To Pay).	MLOCR Mailings
7034	For Full-Service or Mixed Service mailings, all piece data information must be included in the .pdr or .imr file for those containers where .csm Container Status is equal to R.	Full-Service
7035	All updates made to a job submitted with a .pdr file must be made with a .pdr file and not with an .imr file.	Updates
7036	All updates made to a job submitted with an .imr file must be made with an .imr file and not with a .pdr file, unless the .pdr file is being used to report spoilage and/or shortage.	Updates
7037	All incidental enclosures included within this mailing must refer back to a host within the .mpu file.	Multiple Files
7038	The incidental enclosures included within this mailing must refer back to a Host Statement Component ID within the same .mpu in the .mcr file.	Multiple Files

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Error Number	Error Message	Error Location
7039	The .seg Verification Facility Zip+4 must be populated with exactly nine numeric characters.	.seg

Mail Client (Version 08-1 and 08-2 Files)

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 D- 2. Mail.dat Client Error Messages (Version 08-1 and 08-2 Files)

Error Message	Notes
Authentication failure Error: [*server user verification error*]	
DataRepository Class Internal Error!, Enumeration error: [*message*]	
DataRepository Class Internal Error!, Get Parent Table error: [*message*]	
DataRepository Class Internal Error!, Get Parent Table error: Table did not match any types.	
DataRepository Class Internal Error!, Get Second Partial Table error: Table did not match any types.	
DataRepository Class Internal Error!, No Such Element Exception error: [*message*]	
DataRepository Class Internal Error!, Table Contains Data error: File did not match any types.	
DataRepository Class Internal Error!, validate Csm Parent Child Relation error: [*message*]	
DataRepository Class Internal Error!, validate Csm Sibling Relation error: [*message*]	
DDataRepository Class Internal Error!, StringTokenizer error: [*message*]	
Error: [*file name*] has an Error. [*extended client error*]	
Error: All file-level status flags are not identical in the Header file: [*file name*].	The file status claimed in the HDR record does not match the file status claimed in supporting files such as the MPU file.
Error: All of file-level status flag in Header file are None Transmitted in the Header file: [*file name*].	
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.	
Error: At least one file-level status flag was not accepted in the Header file: [*file name*].	
Error: Can't delete file [*file name*]	
Error: Encoding error. Error details: [*exception*]	
ERROR: File [*file name*] file contains an Invalid history status.	
ERROR: File [*file name*] file contains an Invalid Mail.dat Presentation Category.	
ERROR: File [*file name*] file contains job ID [*job ID*] from history records can't found from current records.	
ERROR: File [*file name*] file contains Non-zero record counts that are not	

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Error Message	Notes
allowed in the header record of a delete job (except Segment record count).	
ERROR: In [*file name*] either the [*field name*] (Row [*record number*] :position [*start position*] [*stop position*] field or the [*field*] (Row # [*record number*] :position [*value*] [*token*] field should be filled, but both fields are blank.	
ERROR: In [*file name*] GCA Version Identifier of Record # [rec_num] is invalid.	
ERROR: In [*file name*] length of Record # [*number*] is incorrect.	
ERROR: In [*file name*] mandatory field \ field name \ (Row # [*record number*] :position [*start position*] [*stop position*] is blank.	
ERROR: In [*file name*] optional field [*field name*] Row # [*record number*] :position [start position] [*stop position*] contains invalid data.	
ERROR: In [*file name*] the [*field name]* (Row # [record number] :position [*start position*] [*stop position*] and the [*field*] Row # [*record number*] :position [*token*] [*next token*] fields contain incompatible data.	
ERROR: In [*path*] Invalid file name.	Verify file names do not include special characters, such as “-“ or “/”.
ERROR: In directory [Path] [FILE NOT FOUND]	
Error: In file [*file name*.par] for the “ADJUSTMENT_STATUS” field (in Record #: position 77_77), the currently supported value is R (Ready To Pay).	
ERROR: In File [*file name*], History SEQ Number is either missing or not valid.	
ERROR: In File [*file name*], Job ID is either missing or not valid.	
ERROR: In File [*file name*], one or more Record Closing Characters are either missing or not valid.	
ERROR: In File [*file name*], one or more Record Counts are either missing or not valid.	
ERROR: In File [*file name*], one or more Record Lengths are incorrect.	
ERROR: In File [*file name*], Provider Code is either missing or not valid.	
Error: Input file 'Client.config' can not be found!	
Error: NewLineCheck error: [*exception*]	
Error: No update files found for the transmittal of JOBID [*job ID*].	
Error: PAR file is not supported for MLOCR mailings.	
Error: PAR file is not supported for Periodicals.	
Error: PAR file is not supported for the MPA UIDs associated with Postage Payment Method (in MPA file) values other than P (Permit type is PI) or G (Permit type is OI).	
Error: PAR file should be submitted along with at least one container with status of Ready to Pay (R) in the .csm file.	
Error: PAR_RECORD_STATUS("Record #: position 76_76), with value of 'U' is not supported. Please modify the PAR_RECORD_STATUS value and re-submit the job.	PAR files cannot have *PAR Record Status* set to 'U' or as part of an update job.
Error: *PostalOne!* Connect to the Server has a error.	
Error: Reading file error. Error details: [*exception*]	
Error: Record count for the required file [*file name*] cannot be set to '0' in	

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Error Message	Notes
the header record.	
Error: Run Out of memory: Please shutdown and modify Xms Xmx parameter to expand java runtime memory (example -Xms756m -Xmx1024m)	
Error: 'Temp User' is either missing or not valid in selected file.	
ERROR: The [*file name*] file contains duplicate history sequence numbers.	
ERROR: The [*file name*] file contains duplicate keys	
Error: The 'Checksum' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Client-type' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Customer-ID' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
ERROR: The File [*file name*] file contains a mail facility which is either missing or not valid.	
Error: The 'File-ID' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'File Name' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'File-type' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
ERROR: The header file contains multiple current status lines in the History Status field.	
ERROR: The header file contains multiple version in the GCA field of current records.	
ERROR: The header file contains no current status lines in the History Status field.	
Error: The 'Job-ID' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Job-type' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
ERROR: The last record in file [*file name*] does not end with a newline character.	
ERROR: The length of record # [*error rec num*] in file [*path*] is incorrect.	
Error: The 'Location-Seq' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Mailing-facility' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Password' information is missing or invalid due to a	

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Error Message	Notes
transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The *PostalOne!* Batch Processor application	
Error: The *PostalOne!* server failed to receive the complete mail.dat files in this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Provider-code' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Request-type' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Service Date' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Service Name' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Username' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: Unable to find one of the files for the submitted process.	
EVS File Transfer Error: Unable to download the e-VS hand held application software.	
File: [*File name*] can't connect to [*host*] :[*port*]. [NO REPONSE FROM SERVER]. Application exit	
Internal System Error: [*ErrorNum*] Please call the *PostalOne!* Customer Care Center and report this error.	
Internal System Error: A fatal error occurred while receiving CMP file (*.cmp). Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Internal System Error: A fatal error occurred while receiving IMP file (*.imp). Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: A communication error occurred (a request other than 'POST' was used), while processing this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: A communication error occurred (unable to determine the content type values), while processing this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: A system error occurred in the *PostalOne!* application while locating a system resource. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: A system error occurred in the *PostalOne!* application while requesting a system resource. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
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	

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Error Message	Notes
the *PostalOne!* application.	
System Error: An error occurred while processing a database (SQL) transaction. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error: An error occurred while reading one of the files in this mail.dat job. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while re-assembling the mail.dat job on the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the CLR file (*.clr) for this transaction. Please resubmit the job. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the CONFIRM file (*.csv) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the CPT file (*.cpt) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the CQT file (*.cqt) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the CSM file (*.csm) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the EVS file (*.evs) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the HDR file (*.hdr) for this transaction. Please resubmit the job. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the ICL file (*.icl) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the ICR file (*.icr) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the MCR file (*.mcr) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the MIR file (*.mir) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the MPU file (*.mpu) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the MSR file (*.msr) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the PAR file (*.par) for this	

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Error Message	Notes
transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the PLR file (*.plr) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the PQT file (*.pqt) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the SEG file (*.seg) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the SFR file (*.sfr) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the SNR file (*.snr) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the SPR file (*.spr) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An error occurred while receiving the WSR file (*.wsr) for this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: An unknown protocol (other than HTTP/HTTPS) was used to initiate communication with the *PostalOne!* server. If using the batch processor application, please check your client.config file and resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: Client connection timed out. Please retry this transaction. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: Could not add new job to database. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error: Could not delete existing job to insert new job. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error: Could not delete job status from DB. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error: Error occurred while assembling split file on server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: Error on server while creating directories for file storage. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: Error on server while reading in HTTP input. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: Error on server writing file from input steam to file. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: None or partial received from input stream. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care	

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Error Message	Notes
Center.	
System Error: Server could not validate data from this application. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: Server is currently busy.	
System Error: 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.	
System Error: The *PostalOne!* server is temporarily unavailable. If using the File Transfer Applet, please retry this transaction in ten minutes; if using the Batch Processor Application, this transaction will be automatically resent. If the problem persis	
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.	
System Error: The *PostalOne!* server is temporarily unavailable. This transaction will be automatically resent. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error: Unable to update the file status details in the *PostalOne!* database. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error: Unable to update the transaction status details in the *PostalOne!* database. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error: Unable to update the transaction status in the *PostalOne!* database. Please call the *PostalOne!* Customer Care Center and report this error.	
Unable to download the e-VS hand held application software.	
Unable to transfer an error message to the *PostalOne!* server while processing file: [*path*] [*extended client error*]	
User Error(3109) A Mail.dat job is already in process in the *PostalOne!* server. Please wait until the job complete processing and resubmit the job.	Wait until the current job has completed processing before sending an update / delete job.
User Error: All file-level status flags in Header file are not identical. Please correct the data of the mail.dat job and resubmit the job.	
User Error: All of file-level status flag in Header file are None Transmitted. Please correct the data of the mail.dat job and resubmit the job.	
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.	
User Error: At least one file-level status flag in Header file was not accepted. Please correct the data of the mail.dat job and resubmit the job.	
User Error: File failed - validation on the client. Refer to the validation.log file for details. Please resubmit the job after correcting the validation errors.	
User Error: in .pdrxml file. PieceCount element not found or it has zero value	
User Error: in .pdrxml file. Total No. of pieces included in XML document is	

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Error Message	Notes
not matching PieceCount element value	
User Error: No update files found for the update job. Please correct the data of the mail.dat job and resubmit the job.	
User Error: Record count for a required file is set to '0' in the Header file. Please correct the data of the mail.dat job and resubmit the job.	
User Error: The [*file*] record count indicated in the header record for job id [*job ID*], does not match the actual record count. Please correct the data of the mail.dat job and resubmit the 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: 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. Please correct the data of the mail.dat job and resubmit the job.	
User Error: The optional [file] xxx file indicated in the header record for job id [*job ID*], was not found in this mail.dat job. Please correct the data of the mail.dat job and resubmit the job.	
User Error: This mail.dat transaction (Job ID) [*Job ID*] does not contain the required [*file*] or the required file type is NONE TRANSMITTED. Please correct the mail.dat data and resubmit the job.	
There must be a PDR record for every copy in periodical mailing.	
The PQT/CQT referential integrity checking is limited to the copy and piece totals from each file, rather than being a true Referential Integrity check.	

Upload Server (Version 08-1 and 08-2 Files)

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. This table shows error messages for 08-1 and 08-2 files. Error messages for version 09-1 files will be published when available.

Table D- 3. Upload Server Error Messages (Version 08-1 and 08-2 Files)

Error Message	Notes
Error: container ID in CQT is not in CSM [*line*].	
Error: Encoding error. Error details: [*details*]	
Error: Get Connection not found.	
ERROR: In [*path*] failed validation.	
ERROR: In [*path*] File contains no data.	
ERROR: In [*path*] Invalid file name.	Verify file names do not include special characters, such as “-“ or “/”.
Error: International mail is not supported for Pending Periodicals at this time - Job ID [*ID*]	
Error: International mail is not supported for Pending Periodicals at this time - Job ID [*ID*] Container [*container ID*] has foreign zone [*container zone*].	

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Error Message	Notes
Error: International mail is not supported for Periodicals at this time - Job ID [*ID*] Container [*container ID*] has container status 'R' and foreign zone [*zone*].	Files are rejected if foreign pieces are included.
Error: No directory found here!	
Error: The 'Checksum' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Client-type' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Customer-ID' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'File-ID' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Filename' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'File-type' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Job-ID' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Job-type' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Location-Seq' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Mailing-facility' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Password' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Provider-code' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Request-type' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Service Date' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: The 'Service Name' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	

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Error Message	Notes
Error: The 'Username' information is missing or invalid due to a transmission error. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
Error: unable to send out notification email. (Context: send out an email notifying admins of this Job which keeps crashing.)	
HTTP BAD REQUEST = 400 (Bad Request)	
HTTP MOVED TEMP = 302 (Moved Temporarily)	
HTTP OK = 200 (Ok)	
HTTP SERVER ERROR = 500 (Internal server error)	
HTTP UNAUTHORIZED = 401 (Unauthorized)	
HTTP UNAVAILABLE = 503 (Service Unavilable)	
HTTP WRONG VERSION = 402 (Daemon Version Error)	
Loader Process was terminated with signal value of [*value*].	
System Error [1000]: Unable to write the HDR file (*.hdr) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1001]: Unable to write the SEG file (*.seg) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1002]: Unable to write the MPU file (*.mpu) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1003]: Unable to write the MCR file (*.mcr) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1004]: Unable to write the CPT file (*.cpt) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1005]: Unable to write the CSM file (*.csm) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1006]: Unable to write the CLR file (*.clr) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1007]: Unable to write the ICL file (*.icl) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1008]: Unable to write the CQT file (*.cqt) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1009]: Unable to write the PQT file (*.pqt) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1010]: Unable to write the WSR file (*.wsr) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1011]: Unable to write the SNR file (*.snr) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	

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Error Message	Notes
System Error [1012]: Unable to write the PLR file (*.plr) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1013]: Unable to write the ICR file (*.icr) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1014]: Unable to write the PAR file (*.par) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1015]: Unable to write the MSR file (*.msr) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1016]: Unable to write the MIR file (*.mir) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1017]: Unable to write the SPR file (*.spr) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1018]: Unable to write the SFR file (*.sfr) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1021]: Unable to write the EVS file (*.evs) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1022]: Unable to write the CONFIRM file (*.csv) to the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1023]: Unable to create a file on the *PostalOne!* server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1100]: A system error occurred (error on server while reading in HTTP input) while processing this transaction. Please resubmit the job. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1105]: Error on server while creating directories for file storage. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1106]: None or partial received from input stream. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1107]: Error on server writing file from input steam to file. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1108]: Error occurred while validating file list. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1303]: Error occurred while assembling split file on server. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	

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Error Message	Notes
System Error [1304]: Error occurred while retrieving assembled file list. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1305]: Error occurred while validating files in files.txt. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1308]: A complete maildat transmission was not received. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1309]: Incomplete file received. Server timed out. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1312]: Error reading header file (*.hdr). Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [1324] occurred while splitting multiple job id files. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [2000]: uncompressing file Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [2001]: An System Error occurred while processing this transaction. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [2002]: An System Error occurred while loading this Mail.dat transaction. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [3003]: Unable to update the transaction status in the *PostalOne!* database. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [3004]: Unable to update the transaction status details in the *PostalOne!* database. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [3005]: Unable to update the file status details in the *PostalOne!* database. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [3101]: An error occurred while processing a database (SQL) transaction. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [3103]: A system error occurred while allocating a data buffer in the *PostalOne!* application. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System error [3104]: The Mail.dat version of this update does not match that of the original file	
System Error [3108]: A System Error occurred while loading the PDR data. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [4000]: 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.	

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Error Message	Notes
System Error [4001]: A communication error occurred (a request other than 'POST' was used), while processing this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [4002]: A communication error occurred (unable to determine the content type values), while processing this transaction. Please resubmit the job. If the problem persists, please call the *PostalOne!* Customer Care Center.	
System Error [5000]: One or more duplicate records were found while processing this job. Please correct the data of the mail.dat job and resubmit the job.	
System Error [5001]: No record found for the update.	
System Error [5004]: A system error occurred while running an internal database stored procedure for this original job. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [5005]: A system error occurred while running an internal database stored procedure for this update job. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [5007]: A system error occurred while running an internal database stored procedure (container quantity procedure). Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [5008]:): A system error occurred while inserting the LEVEL IDs in the *PostalOne!* database. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [5010]: A system error occurred while running an internal database stored procedure (total weight procedure). Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [5011 or 5012]: Nonvalid zero for value. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [5013]: Postage statement is not available for this mail.dat transaction. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [5017]: An error occurred (too many rows) while generating the postage statement for this transaction. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [5018]: An error occurred (PS exception) while generating the postage statement for this transaction. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [5020]: An error occurred while canceling containers in this transaction. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [5024] One or more segments in this job could not be deleted. Please call the *PostalOne!* Customer Care Center for more information.	
System Error [5025]: A system error occurred while running an internal database stored procedure for sibling containers job. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [5030] All segments rejected for the job. Please call the *PostalOne!* Customer Care Center for more information.	
System Error [5031]: The Mail.dat submission failed MLOCR rejection criteria. Please correct the data of the mail.dat job and resubmit the job.	

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Error Message	Notes
System Error [6000]: 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.	
System Error [6003]: This mail.dat transaction type is currently not supported by *PostalOne!*. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [7000]: User logon failed. Please check your user name and password and resubmit the job.	
System Error [8000]: A database error occurred (unique limitation error), while processing this transaction. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [8001]: A database configuration error has occurred. Please call the *PostalOne!* Customer Care Center and report this error.	
System Error [9000]: The *PostalOne!* server was unable to forward this manifest file to PTS. Please call the *PostalOne!* Customer Care Center and report this error.	Only affects eVS customers.
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.	
Upload Server Error: Cannot obtain Container count to verify for update job.	
Upload Server Error: Cannot obtain Destination Zip count to verify for update job.	
Upload Server Error: Cannot obtain job preparers permit no and permit type.	
Upload Server Error: Cannot obtain job presentation category.	
Upload Server Error: Cannot obtain job transmission type.	
Upload Server Error: Cannot obtain Original Qualification report ID.	
Upload Server Error: Problem getting mailing data id mapping (Orig to Upd) MLOCR onepass [Get Job Info].	
Upload Server Error: Problem running M_Mail.XML_DATA_SUBMISSION_PKG.chk_onepass_rate_catg_dwn_f [*job ID*].	
Upload Server Error: Problem running M_MAIL.XML_DATA_SUBMISSION_PKG.chk_onepass_ratecatg_upward_f [*job ID*].	
User Error [1310]: File name for transmitted file is not allowed. Please correct the file name and resubmit the job.	
User Error [1311]: *PostalOne!* does not currently support this Mail.dat version. Please check the online documentation or call the *PostalOne!* Customer Care Center for the supported mail.dat version(s).	
User Error [1325]: Invalid history status from history and current records. Please correct the data of the mail.dat job and resubmit the job.	
User Error [3105]: Transmission of a job after a delete transmission cannot occur on the same date as the original job transmission. Wait one day before transmitting the job.	
User Error [5002]: 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.	

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Error Message	Notes
User Error [5003 or 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.	
User Error [5009]: This job is closed. Please contact your local Detached Mail Unit (DMU).	
User Error [5014]: 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.	
User Error [5015]: Preliminary Postage Statements cannot be created using a container that has already generated a Postage Statement. Please correct the data of the mail.dat job and resubmit the job.	
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 [5021]: One or more containers not marked as ready to pay have been flagged for a transportation update. Please correct the data of the mail.dat job and resubmit the job.	
User Error [5022]: The status of a container cannot be marked as 'paid' if not already marked as 'ready-to-pay'. Please correct the data of the mail.dat job and resubmit the job.	
User Error [5023]: 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.	
User Error [5027]: 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 [5028]: 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.	
User Error [5029]: Jobs with estimated or cancelled postage statements only can be deleted. Please correct the data of the mail.dat job and resubmit the job.	
User Error [5032]: Invalid Primary MPA ID in MCR record. Please correct the data of the mail.dat job and resubmit the job.	
User Error [5033]: Invalid Additional Postage MPA ID in MCR record. Please correct the data of the mail.dat job and resubmit the job.	
User Error [5034]: Invalid Postage Adjustment MPA ID in MCR record. Please correct the data of the mail.dat job and resubmit the job.	
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.	Files have been rejected due to foreign zone in the *Zone* field of the CQT file.
User Error [-5036]: International mail is not supported for Pending Periodicals at this time - Foreign Periodical Zone in CQT record. Please correct the data of the mail.dat job and resubmit the job.	
User Error [5037]: Invalid Ship date with R-2006 Rate case implementation date. Please correct the data of the mail.dat job and resubmit the job.	The Container Ship Date of the .csm file is not a valid ship date.
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.	Multiple segments cannot use the same MPA ID.

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Error Message	Notes
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.	
User Error [5042]: MPA ID for Periodical Container Charge Method 2 in SEG record needs to have a USPS publication number. Please correct the data of the mail.dat job and resubmit the job.	
User Error [5043]: For Rate Category 'FB', package level must be 'A'. Please correct the data of the mail.dat job and resubmit the job.	If .pqt *Rate Category* is "FB", *Package Level* in the .pqt must be set to "A".
User Error [5044]: Mail.dat Periodicals ready-to-pay for non-incidental enclosures is not supported at this time." Please correct the data of the mail.dat job and resubmit the job.	
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.	
User Error [5069]: Transportation update is allowed only for container with previous container status R, T or X. Please correct the data of the mail.dat job and resubmit the job.	
User Error [5070]: All the job permit/publication # in MPA file must belong to the owner for owner job. Please correct the data of the mail.dat job and resubmit the job.	Only occurs for Owner users. Verify all permits claimed and Verification Facility ZIP + 4 are correct and visible using the Owner Manage Permits feature. Change the values or contact the Customer Care Center to associate the permit with the owner's corporation.
User Error [5071]: All the job permit/publication # in database must belong to the owner for owner job.	Only occurs for Owner users. Verify all permits claimed and Verification Facility ZIP + 4 are correct and visible using the Owner Manage Permits feature. Change the values or contact the Customer Care Center to associate the permit with the owner's corporation.

Mail.dat Package (Version 08-1 and 08-2 Files)

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. These are the Mail.dat versions 08-1 and 08-2 Package error messages. For version 09-2 files, validation is done on the client, and are listed in Table D- 1. Mail.dat Client Error Messages (Version 09-1 Files).

Table D- 4. Mail.dat Package Error Messages (Version 08-1 and 08-2 Files)

Error Message	Notes
A permit number is required for all classes of mail except periodical.	

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Error Message	Notes
Additional Postage permit info not found.	
Apportionment total= [*total*], but should be 0 total chargeable bundles for JOB_SEQ_NUM= [*number*]	
Apportionment total= [*total*], but should be 0 total chargeable containers for JOB_SEQ_NUM= [*number*]	
Automation coding date has passed 180 day limit => [*value*]	This is only a warning message and will not cause a job to fail.
Both permit no and usps pub no are NULL.	
Bundles (excluding firm-bundles) must have copies=pieces. Check the following CQT_DB_ID/PACKAGE_ID: [*CQT ID/Package ID*]	
Carrier route coding date has passed 90 day limit => [*value*]	
Carrier route sequencing date has passed 180 day limit => [*value*]	
Container level values E, F, and L are not allowed.	
Dim Weight calculation can not be used for non-parcel items. Invalid combination of MPU processing category and MPU Surcharge.	
Entry Point Discount Facility Type values Y and Z are not allowed.	
Error occurred in [*file*] with error message: no rate level exists for rate category [*category*].	
Error validating Mailer Owner Non-Profit eligibility.	
EXITING MAIL.XML Data Submission Package - [*error message*]	
FB Rate category is only allowed for Outside-County Periodicals.	
FB Rate category provided but no Outside-County Periodicals with firm-bundles found.	
Finance number is NULL	
Firm Bundles cannot have zero total pieces. Check the following CQT_DB_ID/PACKAGE_ID: [*CQT ID/Package ID*]	
Firm Bundles must have copies greater than pieces. The following CQT_DB_ID/PACKAGE_ID combinations are in error: [*CQT ID/Package ID*]	
Firm Bundles must have package_level "A". The following CQT_DB_ID/PACKAGE_ID combinations are in error: [*CQT ID/Package ID*]	If .pqt *Rate Category* is “FB”, *Package Level* in the .pqt must be set to “A”.
First Class letters can not exceed 3.5 oz.	
For firm bundles with nonincidental enclosures ready-to-pay is not supported at this time, check Container ID.	
FORM TYPE IS NOT VALID	This is only a warning message and will not cause a job to fail.
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.
Government permits do not qualify for Nonprofit rates.	
Incorrect component class is used for Pending periodical with incidental mail. The only Component classes allowed are 1, 2, or 3 for incidental mail.	
In-County Periodicals with rate category FB are not supported at this time	

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Error Message	Notes
Invalid Additional Postage payment method	
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.
Invalid class. Valid class inputs: 3, 5	
Invalid Container Level(s): [*file - levels*]	
Invalid Container Type(s): [*file - types*]	
Invalid destination zone	
Invalid Enclosure weight.	
Invalid Entry Level(s): [*file - levels*]	
Invalid input on job. Please validate the combination of input values for in/out county indicator and container type.	
Invalid input on job. Please validate the combination of input values for in/out county indicator and zone.	
Invalid input on job. Please validate the combination of input values for in/out county indicator, container level and package level.	
Invalid input on job. Please validate the combination of input values for in/out county indicator, container type, container level and entry level.	
Invalid input on job. Please validate the combination of input values for in/out county indicator, container type, container level, package level and entry level.	
Invalid MPU Rate Type	
Invalid MPU weight	Weight does not meet minimums or exceeds maximums for the class of mail.
Invalid MPU/CQT Rate Type	
Invalid or null finance number	
Invalid Package Level(s): [*file - level*]	
Invalid payment method	
Invalid PP account, periodical rate code not found.	
Invalid PP account, permit not found.	
Invalid process category	
Invalid Rate Categories: [*file - categories*]	
Invalid rate category	

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Error Message	Notes
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.
Invalid Sub/Non-Sub/Requester Indicator	
Invalid Zone(s): [*zones*]	
Mail Owner is not authorized to claim non-profit rates for this mailing.	
Mail Owner permit number is required for validating Mailer Owner Non-Profit eligibility.	
Mail Owner permit type is required for validating Mailer Owner Non-Profit eligibility.	
Mail piece version info differs across segments for MPU [*version id*].	
Mail.dat is not yet supporting Pending Periodicals at parcel rates.	
MPU process category LT is not allowed for CQT rate categories AF,BF,JF,NF,KF,GF	
Multiple qualified MPA_UIDs found for JOB_SEQ_NUM= [*job number*] ,SEGMENT_ID= [*ID*] ,MPU_ID= [*ID*] ,CLASS= [*class*]	
No apportioned records in M_BUNDLE_DETAIL for JOB_SEQ_NUM= [*job number*]	
No apportioned records in M_CONTAINER_BUNDLE_DETAIL for JOB_SEQ_NUM= [*job number*]	
No BUNDLE records found in M_BUNDLE_DETAIL (Qual Report).	
No BUNDLE records found in M_BUNDLE_DETAIL.	
No container or bundle data found for periodical job.	
No CONTAINER records found in M_CONTAINER_BUNDLE_DETAIL (Qual Report).	
No CONTAINER records found in M_CONTAINER_BUNDLE_DETAIL.	
No data found - no mapping records found for non-incidental enclosures [CLASS=[*class*], RATE_CATG=[*category*], PROCESS_CAT=[*category*], WEIGHT=[*weight*], DEST_ENTRY=[*destination entry*]] - M_MAIL.XML_ENCLOSURE_RATES	
No data found in the is_mlocronepass_f	
No data found in the is_mlocronepass_original_f	
No data found in the is_mlocronepass_update_f	
No job sequence number found in M_JOB_INFO_SEQ_LOOKUP table (Qual Report).	
No job sequence number found in M_JOB_INFO_SEQ_LOOKUP table.	
No job_seq_num found for Postage Statement Seq No [*number*]	
No M_BUNDLE_DETAIL records for JOB_SEQ_NUM= [*job number*]	
No M_CONTAINER_BUNDLE_DETAIL records for JOB_SEQ_NUM= [*job number*]	
No mapping found for container_level for bundles [SEG-CLASS=[*class*],ICNTY-OCNTY=[*in county indicator*],CONTAINER-LEVEL=[*level*],PACKAGE-LEVEL=[*package level*]] - M_RATES_CONTAINER_LEVEL_MAP	

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Error Message	Notes
No mapping found for container_level for sacks/trays/pallets [SEG-CLASS=[*class*],ICNTY-OCNTY=[*in county indicator*],CONTAINER-TYPE=[*type*],CONTAINER-LEVEL=[*level*],ENTRY-LEVEL=[*facility type*]] - M_RATES_CONTAINER_LEVEL_MAP	
No mapping found for container_type [SEG-CLASS=[*class*],ICNTY-OCNTY=[*in county indicator*],CONTAINER-TYPE=[*type*]] - M_RATES_CONTAINER_TYPE_MAP	
No mapping found for SEG process category [SEG-CLASS=[*class*],ICNTY-OCNTY=[*in county indicator*],SEG-PROCESS-CAT=[*category*],MPU-SURCHARGE=[*surcharge*]] - M_RATES_PROCESS_CATEGORY_MAP	
No mapping records found for CPT process category [SEG-CLASS=[*class*],ICNTY-OCNTY=[*in county indicator*],CPT-PROCESS-CAT=[*category*],MPU-SURCHARGE=[*surcharge*]] - M_RATES_PROCESS_CATEGORY_MAP	
No mapping records found for dest zone [SEG-CLASS=[*class*],ICNTY-OCNTY=[*in county indicator*],ZONE=[*zone*]] - M_RATES_ENTRY_LEVEL_MAP	
No mapping records found for flats machinability [SEG-CLASS=[*class*],ICNTY-OCNTY=[*in county indicator*],MPU-PROCESS-CAT=[*category*],FL-MACHINABLE=[*machinability*], RATE-CAT=[*cqt category*]] - M_RATES_MACHINABLE_MAP	
No mapping records found for MPU process category [SEG-CLASS=[*class*],ICNTY-OCNTY=[*in county indicator*],MPU-PROCESS-CAT=[*category*],MPU-SURCHARGE=[*surcharge*]] - M_RATES_PROCESS_CATEGORY_MAP	
No mapping records found for non-incidental enclosures [CLASS=[*class*], RATE_CATG=[*category*], PROCESS_CAT=[*category*], WEIGHT=[*weight*], DEST_ENTRY=[*entry*]] - M_MAIL.XML_ENCLOSURE_RATES	
No mapping records found for rate category [SEG-CLASS=[*class*],ICNTY-OCNTY=[*in county indicator*], RATE_CAT=[*cqt category*]] - M_RATES_RATE_CATEGORY_MAP	
No mapping records found for rate category [SEG-CLASS=[*class*],MPU-CLASS=[*class*],ICNTY-OCNTY=[*indicator*],RATE_CAT=[*cqt category*]] - M_RATES_RATE_CATEGORY_SPCL_MAP	
No qualified primary MPA_UID found for JOB_SEQ_NUM= [*number*],SEGMENT_ID= [*ID*],MPU_ID= [*ID*],CLASS= [*class*]	
NO_DATA_FOUND in M_MAIL.XML_ENCLOSURE_RATES when converting rate category and destination entry (CLASS: [*class*], RATE_CATG: [*category*], DEST_ENTRY: [*entry*], PROCESS_CAT: [*category*], WEIGHT: [*weight*])	
Null finance number for Qualification Report Preparer.	
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.
Null permit no or permit type for Qualification Report Preparer	

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Error Message	Notes
Only Mail.dat version 08-2 and 09-1 are currently supported.	
Only one Post Office of Mailing can exist in a single segment.	
Pending Periodical jobs must have a permit number.	
Pending periodical jobs must have a permit number.	
Pending periodical jobs must use the class value of "5" in the MPU and CPT files.	
Pending periodical must use the postage payment method value of "T" in the MPA file.	
Pending Periodicals with Nonprofit Status are not supported.	
Periodical jobs must have a USPS publication number.	
Periodical with non-incidental jobs must have a permit number.	
Periodicals non-incidental enclosures with rate category FB are not supported at this time	
Permit [*number*] is not associated with an active debit-pay CAPS account. Please contact the Help Desk for further assistance.	
Permit holder or Publisher address is NULL for permit [*permit number*] [*publication number*].	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.
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.
Piece count in PQT must be more than zero for Pending Periodicals with firm bundles.	
Piece count in PQT must be more than zero for Periodicals with firm bundles.	
Piece Counts in the Qualification Report and the Postage Statement Are Not Equal.	
Preparer information is NULL	
Presort First Class letters can not exceed 3.3 oz.	
Rate Category FB not supported for Periodicals Non-Incidental Enclosures	
Rate level is not found the RATES.VIEW_MAIL.XML_RATE_MAP table.	
Requester publications with preferred rates (exception In-county) are not supported on Mail.dat submitted postage statements. Have BMEU or DMU enter this postage statement.	
The mail piece weight equals to or exceeds 16 ounces. Mail.dat is not yet supporting Pending Periodicals at parcel rates.	
The round-off error ([*bundle deviation*] * 100) || % for the bundles is unacceptable.	

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Error Message	Notes
The round-off error ([*container deviation*] * 100) % for the total containers is unacceptable.	
The sum of the piece count and copy count should match the firm bundle for pending periodicals.	
The sum of the piece count and copy count should match the firm bundle for periodicals.	
The total number of containers [[*count*]] must be less than the total number of mailing pieces [[*piece count*]].	
The updated piece count exceeds total in initial file.	
There is more than one original entry office associated with permit [*number*]. Please contact one of the original entry offices associated with your permit and request to have the permit record changed from an original entry office to an additional entry o	
There is not a valid CPP indicator associated with permit [*number*]. Please contact the original entry office for your permit and request that the CPP Indicator on your permit record be changed to allow consolidated payment.	
There is not an original entry office associated with permit [*number*]. Please contact one of the additional offices associated with your permit and request that the status be changed from an additional entry office to an original entry office on your perm	
There must be a PDR record for every COPY in a Periodical Mailing.	
Too many CAPS reference numbers (limit 30).	Too many Customer Reference IDs were included.
Too many mapping records found for dest zone [SEG-CLASS=[*class*],ICNTY-OCNTY=[*indicator*],ZONE=[*cqt destination zone*]] - M_RATES_ENTRY_LEVEL_MAP	
Too many mapping records found for flats machinability [SEG-CLASS=[*class*],ICNTY-OCNTY=[*indicator*],MPU-PROCESS-CAT=[*category*],FL-MACHINABLE=[*machinability*],RATE-CAT=[*cqt category*]] - M_RATES_MACHINABLE_MAP	
Too many mapping records found for rate category [SEG-CLASS=[*class*],ICNTY-OCNTY=[*indicator*],RATE_CAT=[*cqt category*]] - M_RATES_RATE_CATEGORY_MAP	
Too many mapping records found for rate category [SEG-CLASS=[*class*],MPU-CLASS=[*class*],ICNTY-OCNTY=[*indicator*],RATE_CAT=[*cqt category*]] - M_RATES_RATE_CATEGORY_SPCL_MAP	
Total piece count must be more than zero for pending periodicals with firm bundles.	
Total piece count must be more than zero for periodicals with firm bundles.	
Value [*value*] in Segment record for Class is not yet supported. The segment [*ID*] is rejected.	In the SEG record, *Class Defining Preparation* is set to an unsupported value.
Zero piece count not allowed for pending periodicals with firm bundles.	
Zero piece count not allowed for periodicals with firm bundles.	

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Appendix E. Periodicals Procedures

This Appendix contains the procedures for using the Ad % Basis, the edition weight worksheet, the advertising percentage worksheet, and the Centralized Periodicals Payment CPP payment request.

Ad % Basis

If your advertising percentage calculation already determines the advertising percentage of an edition, for Mail.dat version 09-1, populate the advertising percentage on only one component and do not populate the Ad % Basis . For Mail.dat versions 08-1 and 08-2 use the Mail Piece Unit Advertising Percentage.

The DMM 707.17.4.5 Measuring Advertising states: The total advertising and nonadvertising portions may be determined by column inches, square inches, pages, or by another recognized unit of measure if the same unit of measure is used for both portions. One full page of advertising must equal one full page of nonadvertising regardless of the amount of blank space between each advertisement or nonadvertising article on a page. If measured in column inches, nonadvertising inches are determined by subtracting the total measured advertising inches from the total column inches of the publication. A blank page, portion of a page, or blank border or margin is counted as advertising if consideration was received for the whole page, the blank portion, or the blank border or margin. The border of a page is otherwise considered neither advertising nor nonadvertising and is not measured, but it is included in the total weight of the publication for purposes of postage calculation. When measuring nonrectangular sheets, the measurement is based on the smallest rectangle that could contain the irregular sheet; exact measurement is not attempted. When two or more sheets are permanently glued together to form a single sheet, the surface area of the resulting sheet (front and back) is included when measuring the advertising or nonadvertising portion.

For mailers using several components where each carries their own advertising percentage the Ad % Basis is required for each of these components. The Component (CPT) Ad % Basis is only required when there are multiple components with an Periodical Ad% Treatment value of S. The Ad % Basis value must be greater than zero for each component with an Periodical Ad% Treatment value of S if there are multiple components with an Periodical Ad% Treatment value of S. Sample calculations are provided to relate the calculation of the Ad % Basis to each of the acceptable methods of advertising percentage measurement. The following excerpt is from the Periodicals Course offered by the NCSC and available to both postal personnel and customers. The sample calculations using Mail.dat data are inserted for this technical specification. The method selected must be applied to the entire publication. Attempts to combine methods will result in the wrong conclusion.

Method One: Page Measurement

1. Step One: Establish total number of pages of publication. Count all pages to arrive at the total number of pages in the periodical

2. Step Two: Establish total pages of advertising.

- Count all full, half and quarter pages of advertising

- Add all segments to determine the total number of pages devoted to advertising

Step Three: Establish percentage of advertising. Divide the advertising pages by the total pages to arrive at the advertising percentage

Only a few publications are designed to allow advertising to be calculated by this method.

Example Calculation for Method One Page Measurement:
A publication has two components: the main book (40 pages) with 45.12% advertising and a half page advertising blow-in printed on one side with 100% advertising. Ignore the decimal point stated in the Mail.dat file. Use pages times 10 as the basis. The multiplier 10 is arbitrary and could be whatever the

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publisher desired so long as it does not introduce round off error and is used consistently for all components describing the editon or mail piece unit. Set the value of ad percent basis to 40x10 = 400 for the main book and 0.5x10 = 5 for the component. The advertising percentage for the edition is ad percent basis for the main book multiplied by ad percent for the main book plus ad percent basis for the blow in multiplied by ad percent of the blow in all divided by the sum of the ad percent basis. (400x45.12 + 5x100.00) / (400 + 5) = 45.80.

Method Two: Column Inch

In publications that do not have numerous supplements the column inch method provides an easy way to measure advertising.

Examine the periodical to determine the average number of columns per page. This number becomes the standard for the entire publication. All pages will be measured by this standard even if they have a different number of columns.

For example: a periodicals publication has 12 pages. 8 pages have 2 columns, 2 pages have one column, 1 page has 15 columns and the last page has 8 columns. The average number of columns in this publication would be 2.

1. Step One: Establish total column inches of publication

- Pick a page that has the standard number of columns
- Measure the length of the printed surface of a column on that page and multiply this number by the number of columns on the page. This establishes the number of column inches per page
- Multiply the number of column inches per page by the number of pages in the publication. This is the total inches in the publication

Step Two: Establish total column inches of advertising

- Measure the length of each advertisement on each page of the publication
- Add all advertising inches for the total advertising inches in the publication.

Step Three: Establish percentage of advertising. Divide the total advertising inches by the total column inches to arrive at the advertising percent for the publication

Example Calculation for Method Two Column Inch:
A publication has two components: the main book (40 pages with two standard columns 9” long = 18”/page) with 45.12% advertising and a half page (two columns times 0.5 pages times 18 inches) advertising blow-in printed on one side with 100% advertising. Ignore the decimal point stated in the Mail.dat file. Use column inches as the basis. Set the value of ad percent basis to 40x18 = 720 for the main book and 0.5x18 = 9 for the component. The advertising percentage for the edition is ad percent basis for the main book multiplied by ad percent for the main book plus ad percent basis for the blow in multiplied by ad percent of the blow in all divided by the sum of the ad percent basis. (720x45.12 + 9x100.00) / (720 + 9) = 45.80.

Method Three: Square inch

The square inch method provides us with the most accurate measurement. This method is most suitable when the printed pages of a publication are of a variety of column lengths and widths or if there are a large number of supplements of various sizes in the publication.

2. Step One: Establish total square inches of publication

- Choose any page of the publication except the front page

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- Measure the length and width of the columns on the page
- Multiply the length of the columns by the width to arrive at the total square inches on a page
- Multiply the total square inches on the page by the number of pages to determine the total square inches in the publication

Step Two: Establish total square inches of advertising

- Measure the length and width of the advertising on each page
- Multiply the length by the width of the ads to arrive at the square inches
- Repeat this process until all of the advertising on each page in the publication has been measured
- Add all the advertising square inches to determine the total advertising inches in the publication

Step Three: Establish percentage of advertising. Divide the total advertising inches by the total square inches in the publication to determine the advertising percentage

Example Calculation for Method Three Square Inches:
A publication has two components: the main book (40 pages with two standard columns 9" long and 3" wide = 54 square inches/ page) with 45.12% advertising and a half page (one column 7" wide by 4" long = 28 square inches) advertising blow-in printed on one side with 100% advertising. Ignore the decimal point stated in the Mail.dat file. Use square inches as the basis. Set the value of ad percent basis to 40x54 = 2160 for the main book and 28 for the component. The advertising percentage for the edition is ad percent basis for the main book multiplied by ad percent for the main book plus ad percent basis for the blow in multiplied by ad percent of the blow in all divided by the sum of the ad percent basis. (2160x45.12 + 28x100.00) / (2160 + 28) = 45.82. In this case the advertising percentage 45.82 is more accurate because the exact square inches were used for the blow in advertising.

Ad % Basis and the Mail.dat file

In Mail.dat version 09-1, advertising percentage previously at the mailpiece level (in prior Mail.dat versions) is at the component level. Furthermore to find an average advertising percentage to define the edition having multiple components an advertising basis was introduced. The advertising basis is freely definable by the publisher to correspond to page measurement, column inch measurement or square inch measurement.

However, in the postage calculation the advertising percentage in decimal format is multiplied by the weight of the edition to define the advertising pounds as distinct from the editorial pounds (weight of edition that is not included in the advertising pounds). See DMM sections 707.2.1.4 and 707.2.1.5.

The Mail.dat Component field ad percentage treatment of a component must have the value S for that component to be included in the ad percent calculation.

The default values (used when the field is left blank in the Mail.dat file) are for advertising percentage 0.00, for Ad percent treatment S, and when Ad percent treatment is S for Ad percent basis 100.

Since the ad percent basis is not a column in the ad percent worksheet, the ad percent basis cannot be changed except by sending an update to the Mail.dat file.

Advertising Percentage Treatment

For the Mail.dat version 09-1 the following values are allowed for the Component file field Periodical Ad% Treatmentdepending on the Component file field Advertising Percent value. For 09-1 files and

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Periodicals, CPT *Periodical Ad Percentage* greater than or equal zero and less than or equal 100.00 is required if this field is S. If Component – Periodical Ad Percentage is blank, Periodical Ad% Treatment must Blank, B or N. If Component – Periodical Ad Percentage is zero, Periodical Ad% Treatment must Blank, B, N or S. If Component – Periodical Ad Percentage is greater than zero, Periodical Ad% Treatment must be B, N or S. Note: The Component file Ad % Basis value is required and must be greater than zero for each component with an Periodical Ad% Treatment value of S if there are multiple components with an Periodical Ad% Treatment value of S.

Component - Periodical Ad Percentage Value	Allowable Component file: Periodical Ad % Treatment Values
Blank	Blank, B or N
Zero	Blank, B, N or S
Greater than zero	B, N or S

Edition Weight Worksheet

The edition weight worksheet is available for all Periodicals and pending Periodicals mailings sent via Mail.dat versions 08-1, 08-2 and 09-1. The Mail.dat version 08-1 file will no longer be supported in November 2009.

Mail Owners and Mail Preparers can now view a new Edition Weight Worksheet that replaces the Piece-Weight Information link. **The USPS Verified weight is entered by the USPS acceptance personnel and is used to calculate the postage.** The Edition Weight Worksheet can be downloaded in PDF (.pdf), Excel (.xls) or CSV (.csv) formats.

For Mail.dat versions 08-1 and 08-2, the edition weight worksheet is based on Mail Piece Unit (MPU) Weight. The initial MPU weight is calculated by the mail.dat processing. Changes the USPS acceptance personnel make to MPU Weight are applied directly to Postage Statements without any intermediary calculations. Once weights and /or advertising percentage values are changed overrides are set so that any subsequent updates through mail.dat using the same mail piece use the new weights and advertising percentage values from the worksheets and not from the Mail.dat files.

For Mail.dat version 09-1, the edition weight worksheet is based on Component (CPT) weight. Initial Weight is calculated by Mail.dat processing by adding the component weights for all components (CPT) associated with the mail piece unit (MPU) via the MPU/C Relationship (MCR) file where those components contribute to the copy weight according to Periodicals postage calculation rules. Subsequent updates to component weights in the Edition Weight Worksheet trigger recalculation of the copy weight by the same method as the initial calculation. Equivalent component weights allow mailers to identify components as having an identical weight as another component. The worksheets support and allow modification of these equivalent relationships and values. The calculated weights are used to update the Postage Statements.

Once Weights and/or advertising percentage values are changed overrides are set so that any subsequent updates through mail.dat using the same mail piece use the new weights and advertising percentage values from the worksheets

Advertising Percentage Worksheet

The edition weight worksheet is available for all Periodicals and pending Periodicals mailings sent via Mail.dat versions 08-1, 08-2 and 09-1. The Mail.dat version 08-1 file will no longer be supported in November 2009.

When Periodicals Postage Statements are submitted via Mail.dat, Mail Owners and Mail Preparers can now update the advertising percentage and view the Advertising Percentage Worksheet. Updating the advertising percentage will be allowed for postage statements in estimated or update stages. **The final**

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Advertising Percentage is used to calculate postage. The Advertising Percentage Worksheet can be downloaded in PDF (.pdf), Excel (.xls) or CSV (.csv) formats.

For Mail.dat versions 08-1 and 08-2, the advertising percentage worksheet is based on Mail Piece Unit (MPU) advertising percentage. The initial MPU advertising percentage is calculated by the mail.dat processing. Changes made to MPU advertising percentage are applied directly to Postage Statements without any intermediary calculations. Once weights and /or advertising percentage values are changed overrides are set so that any subsequent updates through mail.dat using the same mail piece use the new weights and advertising percentage values from the worksheets and not from the Mail.dat files.

For Mail.dat version 09-1, initial advertising percentage for the Mail Piece Unit comes from Mail.dat processing and is derived using the following rules:

1. When multiple components make up a mail piece the advertising percentage is calculated from the component Advertising Percentage, Advertising Percentage Treatment, and Ad % Basis values. All components with Periodical Ad% Treatment= S are used to calculate the advertising percentage using the following formula (Component_AD% * Component_AD%_Basis) / Total_AD%_Basis which is calculated against each component and the results are added together. Where Total_AD%_Basis is the sum of all Ad % Basis values for all components with AD % Treatment = S.

2. When only one component makes up a mail piece the Component Advertising Percentage is used without any consideration of Advertising Percentage Treatment, and Ad % Basis values.

Subsequent values are calculated for updates to the advertising percentage worksheet using the same formulas as in (1) and (2) above. Note: the Ad % Basis values are not available for update in the Advertising Percentage Worksheet. Equivalent component advertising percentages allow mailers to identify components as having an identical advertising percentage as another component. The worksheets support and allow modification of these equivalent relationships and values. The calculated advertising percentages are used to update the Postage Statements.

Once Weights and/or advertising percentage values are changed overrides are set so that any subsequent updates through mail.dat using the same mail piece use the new weights and advertising percentage values from the worksheets.

Periodicals Postage – Additional Features

The postage statement register, postage statement register – entry facility detail, the version summary report, the listing by mailing date, and the entry facility listing by mailing date are available to all Periodicals mailers who submit their postage by Mail.dat version 08-2 or 09-1.

The Issue level postage statement totals the issue level postage for all Periodicals postage statements submitted via the acceptance office entry, Postal Wizard entry, or Mail.dat entry. In November 2009 postage statements via Mail.XML entry shal be included in the issue level postage.

Consolidated Payment functionality is available to replace the Centralized Postage Payment for Periodicals Mailers (CPP) program. The system allows CPP customers to consolidate multiple mail.dat jobs for a particular publication and issue at a single acceptance office [Detached Mail Unit (DMU) or Business Mail Entry Unit (BMEU)] for payment. To use this feature, the CPP customer must have a CPP Agreement on file with the Pricing and Classification Service Center (PCSC). The customer must maintain on deposit, the amount of escrow funds indicated in the agreement and follow all other requirements of Publication 406 Guide to the Centralized Postage Payment (CPP) System for Periodicals Mail.

Instructions on how to access the Edition Weight Worksheet, the Advertising Percentage Worksheet and the additional features described in this section are in the User Access to Electronic Mailing Information and Reports Guide available on http://ribbs.usps.gov/index.cfm?page=intellmailguides.

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Appendix F. Customer/Supplier Agreement Procedures

This Appendix contains the procedures on key fields that need to be identified when applying a Customer/Supplier Agreement (CSA) to the electronic documentation. These fields should match to the specific separation line entry for a given CSA ID. Upon Mail.dat postage statement finalization, the CSA Status must be Active and apply to a date on when the CSA is effective.

Following table illustrates key fields that should be considered when applying the CSA to the Mail.dat.

Table F- 1. Associate Table to Mail.dat

	CSA	Mail.dat		Notes
No	**Field Name**	**File**	**Field Name**	
1	CSA ID	Segment (.seg)	CSA Agreement ID	
2	Mail Class	Segment (.seg)	Class Defining Preparation	
3	Processing Category	Segment (.seg)	Principal Processing Category	
4	Processing Code	Container Summary (.csm)	Container Level Code	Does not apply for periodicals
5	Facility Locale Key	Container Summary (.csm)	Entry Point - Actual/Delivery - Locale Key	Locale Key must be provided in Mail.dat
6	Day of Week	Container Summary (.csm)	A) Scheduled Induction Date (applies only for BMEU & DMU-Verified Mailer Transported); B) Scheduled Ship Date (applies only for DMU-Verified USPS Transported)	The Date provided in the CSM record should fall within the Day of Week provided in the CSA.
9	Container Destination ZIP	Container Summary (.csm)	Container Destination ZIP	A) Does not apply for Air Separations B) CSM Container Destination ZIP must fall within the separation provided for the CSA. For example, '22202' CSM Container Destination ZIP can apply to 3 digit CSA Container Destination ZIP range of '200-250'
10	Recurring Appointment Seq ID	Container Summary (.csm)	Reservation Number	Only applies for DMU-Verified Mailer Transported **NOTE**: Reservation Number can also be provided as an transportation update upon mail verification
11	Trip Number	Container Summary (.csm)	CSA Trip ID	Only applies for DMU-Verified USPS Transported or Unscheduled Trip

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