Mail.dat®

IDEAlliance Database Standard, Version 8.1.1.0

The Industry Database
Standard
for Efficient Communications
Among Those Providing
List Processing, Mail
Production,
and Mail Processing Services


IDEAlliance
International Digital Enterprise Alliance

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About IDEAlliance

IDEAlliance – International Digital Enterprise Alliance – is a not-for-profit membership organization. Its mission is to advance user-driven, cross-industry solutions for the publishing and content-related processes by developing standards, fostering business alliances, and identifying best practices. IDEAlliance has been a leader in information technology – from creation to distribution of publications, corporate communications, and technical documentation – since its founding in 1966 as the Graphic Communications Association.

In 1967 IDEAlliance founded the Mailing Systems & Services Committee, the predecessor to the current Addressing/Distribution Committee, to lead its effort in mail efficiency. The Addressing/ Distribution Committee is now known as a key innovator in the postal arena. Learn more about IDEAlliance at www.idealliance.org.

Mail.dat®

The Industry Database Standard for Efficient Communications
Among Those Providing
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Mail.dat® Work Group Mission & Commitment:

The Mail.dat® Work Group strives to create the optimal data standard to support implementation of any mail-related tools which seek to offer analysis and information exchange. Mail.dat® Workgroup committees also provide an environment of disciplined usage for minimal user maintenance.

IDEAlliance Mail.dat Working Group

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Mail.dat® - Overview Of Multiple Files Concept

File Name	Required/ Choice/ Optional	Content	Logical Records Per File
Header	R	"who, what and when" of this job	A single record & History records
Segment	R	identifies specific mail list supplied for this job	One or several records
Mail Piece Unit	R	a common code for set of components in a mail piece	One or several records
MPU / C Relationship	R	table showing relationship of MPUs to Components	Up to scores of records
Mailer Postage Account	R	descriptions of the mailer's permit and account information	Up to scores of records
Component	R	a description of the applicable component	Up to scores of records
Container Summary	R	quantity, weights and destination per container	Up to thousands of records
International Cont. Label	O	label information for each international container	Up to thousands of records
Container Quantity	R	quantity/rates per 3 or 5 digit in each container	Up to thousands of records
Package Quantity	C **	quantity, rates, weights and destination per package	Up to tens of thousands
Walk Sequence Record	O	detail for each Walk Sequence prepared Carrier Route	Up to tens of thousands
Seed Name Record	O	detail for each Tracking Program address	Up to thousands of records
Package Label Record	O	label information for each package (Canadian only)	Up to tens of thousands
IJ / C Relation Record	O	relates containers to associated ink jet output tapes/files	Up to thousands of records
Piece Detail Record	C plus PQT	quantity, rate, weight, and destination per piece (manifest)	Up to millions of records
Spcl Fees/Chrgs Record	O	special fees and charges (linked to .SPR or .MIR)	Up to millions of records
Manifest Indiv Record	C	quantity, rate, weight, and destination per piece (parcels)	Up to millions of records
Manifest Sum Record	C	quantity, rate, weight, and destination per group (manifest)	Up to thousands of records
Postage Adjust Record	O	technique and amount for adjustment per container	Up to thousands of records
Information Access Key File	O	Provides access to information to business partners	Up to scores of records

R = Mail.dat® records for minimum Industry usage;
C** = Mail.dat® file generally required for PostalOne! usage
C = One (or Two) of these four files must be part of the specific Mail.dat
O = Optional, as necessary within relationship of the sender and receiver

Mail.dat® - Overview Of Multiple Files Concept (continued)

Mail.dat® is presented as a database consisting of files linked by Key Fields. There are 20 files, each with its own record type, from which recipients can extract any set of data serving their purpose. Mail.dat's potential: serving recipient's information needs efficiently and effectively while providing for all possible requests. Yet, only a limited number of the files will be used regularly.

Key Fields (see following chart) are those records within each file type that generate an additional record if any one of these fields, or combination thereof, has a change. For example, within the Container Label file, the first four fields are unique for a specific container; however, the remaining fields may be the same for two or more consecutive containers going to the same destination.

Key Fields provide linkage from one file to another. Deeper file levels require more Key Fields to insure corresponding specificity. Example: two fields define the records in the Container Summary file that belong to a Segment; however, four fields are necessary to define records in the Seed Name file belonging to a given Package Quantity record. Within each record layout, a Key field is identified with a "k".

Recognizing interacting criteria is fundamental to Mail.dat. For example, if within a single package multiple criteria vary simultaneously, then Mail.dat® may require as many Package Quantity records as there are pieces in the package. Consider 12 pieces in a package:

- 3 different Mail Piece Unit codes
- 6 subscription, 6 non-subscription
- 2 different 3-Digits (zoned).

These three interacting criteria could produce twelve combinations, each requiring a separate Package Quantity record.

Understanding Key Fields is crucial to the successful linkage and implementation of Mail.dat; therefore, any element within the data can then be retrieved and output in the most convenient format. There are several inexpensive and powerful database software programs readily available that can easily process files presented in this manner.

Mail.dat® Transaction Messaging (TM®)

The focus of Mail.dat® has, and will continue to be, the full description of a mailing job and related data. The traditional Mail.dat® fixed-record specification is very well suited to conveying full and updated data. However, there are instances where full data per job is not necessary and there also many of mail processes that encompass mail product and information from more than one Mail.dat® job. To handle these situations, the Mail.dat® Editorial Committee is pursuing the establishment of messages that will allow a party to describe a business process transaction with only reference to specific data elements from single or multiple Mail.dat® file sets.
In November, 2004 the first version of a messaging standard was published... The Mail.dat® Transaction Messaging Specification V1.0 (http://www.maildat.org/TM_downloads.html) defines a set of messages that can be used in the transportation appointment-making process. Work is continuing on further messaging standards for other transportation processes as well as communicating postage payment and other business information. The current TM version is v2.0.
In September 2007, IDEAlliance is simultaneously publishing TM® v2.1 and Mail.dat® version 08-1.
Please contact Phil Thompson, Electronic Messaging Sub-Committee Chair for further information.

Mail.dat® - Requirements For File Output

Mail.dat® can summarize anything one might need to know about the presentation of a mailing; however, the fullest level of detail may not always be necessary.

The following files are the minimum required for all transmittals of Mail.dat:

Header file

Segment file

Mail Piece Unit file

MPU / C - Relationship file

Mailer Postage Account file

Component file

Container Summary file (N.A., if use MSR)

Container Quantity file (N.A., if use MSR / MIR)

One of: Package Quantity file (most common) or
Piece Detail file (AND the PQT) or
Manifest Summary file or
Manifest Individual file

This may be the set of files to be exchanged initially between facilities working on the same mailing. The following files supports more sophisticated production and/or transportation procedures.

Mail.dat® permits the elimination of hard-copy documentation and postage payment documents for the Postal Service, forms the basis for container and package tracking, facilitates ink jet production, adjusts postage, and notes special charges.

Package Quantity file:	replace hard-copy documentation, facilitates co-palletization, etc. (Required for *PostalOne!*)
Int'l Cont. Label file:	used to generate international container labels at recipient site
Walk Sequence file:	provide detail to verify Saturation or High Density mailings
Seed Name file:	identifies package/container of seed names within the presort
Package Label file:	used to generate package labels at recipient site -- Canadian only
IJ / C Relationship file:	relates containers to associated ink jet output tapes/files
Piece Detail file:	used for manifest mailings; those working with computer sort. If used, acts as an extension of the PQT file.
Special Fees/Charges file:	records specific ancillary fees (linked to the .PDR and .MIR)
Manifest Individual file:	used for actual manifest mailings;. If used, replaces CQT file.
Manifest Summary file:	used for manifest mailings; use a specific grouping technique for record data. If used, replaces CSM and CQT.
Postage Adjustment file:	notes technique and reports postage adjustment per container (generally Required for *PostalOne!*)
Information Access Key file	Provides access to information to business partners

These last files would only need to be transmitted upon agreement between the provider and the recipient.

Mail.dat®: Conformance Obligations

The challenge of Mail.dat® conformance is one that must be met by all vendors, users, and recipients of the Mail.dat® standard. In the now distant past, there was the possibility of reverting to hardcopy, manual, or some other alternative if the Mail.dat® fields were inaccurate. That time is past!

The Mail.dat® Editorial Committee firmly asserts that conformance is a responsibility of everyone within the industry who creates, modifies, or uses Mail.dat® for the benefit of everyone within the industry who creates, modifies, or uses Mail.dat. Conformance is the appropriate use of the Mail.dat® standard structure, values, and design. Accuracy is not implicit within the basic characteristics measured by conformance, but is a desired side effect. An over-riding principal is: those who exchange data using Mail.dat® should observe the standard, all of its revisions, associated schedules, and its underlying spirit to eliminate both non-productive effort and excessive data for all end-users.

Mail.dat® conformance and accuracy can be verified on three broad levels.

1. Basic Conformance—various software engines within the industry can evaluate if the presented Mail.dat® files, and hence the authoring software, comply with the specification structure, the permitted values contained therein, and the relational aspects of Mail.dat® design. This is an evaluation of the data context.
2. PAVE Conformance—the USPS' PAVE certification process, when using Mail.dat® as an input format, not only validates that the Mail.dat® conforms with the specification but also evaluates the accuracy with which the tested software communicates known data via the Mail.dat. This is an evaluation of test data.
3. PostalOne! Conformance—the USPS' PostalOne! electronic data exchange platform, besides having its own conformance evaluation tool, provides the ultimate in Mail.dat® quality analysis by running parallel verification of the Mail.dat® structure/content against a conventional set of documentation for the same mailings. This is conformance and accuracy evaluation in the day-to-day world.

Conformance Principles

1. Conformance "General" Principles
   a. Valid User License Code (A999, no space, not case sensitive)
   b. All Required files are present
   c. All File Names are valid
      - same root across file names, with appropriate extensions
   d. The User License Code is valid
   e. If Zipped Files, then File Name (+ .ZIP) = External File Name
   f. External File Name should match internal User License Code
2. Conformance "Content" Principles
   a. If Required, then check it ("check it" = data compliant with data definitions: "type"/ "value"/"content"; and check data such as min/max in context defined by "Class", "Proc Category", etc)
   b. If not Required AND blank, then okay
   c. If not Required, BUT populated, then check it
3. Conformance Relational Principles
   a. Is Key (set of Keys) Unique
   b. Do all Child Records have a Parent Record
   c. Do all Parent Records have a Child Record
   d. CPT records are not to be transmitted without associated MPU records or MPUs to be transmitted without associated CQTs.
4. Conformance Inter-Record/ Inter-Field Principles
   a. Validate DMM rules as identified by Conformance Group

There are several Conformance tools to support the industry's interest in Conformance evaluation:

1. Mail.dat® Specification
2. The posting of valid User License Codes on Mail.dat® website
3. Conformance Engine available on the Mail.dat® website
4. Mail.dat® "User's Guide" available on the Mail.dat® website

Please feel free to contact the Mail.dat® Editorial Committees if you have any questions.

Mail.dat® - Using The Database

Mail.dat® is a "communication standard" of record layouts. As such, part of its effectiveness lies in some straightforward requirements for use.

User License Code

Before any user of the IDEAlliance Mail.dat® standard can actually process and transmit, it will be necessary to acquire a User License Code from IDEAlliance. This is a unique four-position alpha/numeric code to assure exclusive identification of the provider and, therefore, assuring an exclusive identifier for files that will be exchanged. As clarification, each mailing facility within a corporation should have its own User License Code. A User License Code can be obtained by contacting the IDEAlliance: 703-837-1088 (see Order Form near last page).
PLEASE NOTE: A User License Code must begin with an alpha, be four characters long, no special characters, not case-sensitive, and no spaces.

File Naming Conventions

Regardless of the technique chosen for Mail.dat® multi-file transmission, it is necessary to accurately identify the whole and the constituent files. Therefore, the following naming conventions will apply for each Mail.dat® and the files therein:

The specific File Names consists of 8 characters plus a 3-character file-specific extension. Example: ABCD1234.hdr

File Name Components:

User License Code	pos 1 - 4:	a/n code unique to Mail.dat® licensed user (administered by IDEAlliance)
File Set ID	pos 5 - 8:	a/n identifier designated by licensed user (mutually exclusive within the licensed user's jobs for 12 months)
Decimal	pos 9 - 9:	decimal
Extension	pos 10 - 12:	defined alpha extension unique to each record/file type:

.hdr = header file	.cpt = component file	.wsr = walk sequence file	.mir = manifest individual file
.seg = segment file	.csm = container summary file.	.plr = package label file	.par = postage adjustment file
.mpu = mail piece unit file	.cqt = container quantity file	.icr = ij / c relationship file	.msr = manifest summary file
.mcr = mpu / comp relationship file	.icl = international container label file	.pdr = piece detail file	.snr = seed name file
.mpa = mailer's postage account file	.pqt = package quantity file	.sfr = special fees file	.iak = information access key file

It is highly recommended that each Mail.dat® be accompanied by a transaction description. This may be hardcopy, if physically shipped, or may be as a "Clipboard" file, if transmitted electronically. If electronic, the file should be an ASCII text file. Whatever its form, the following examples show the types of information that would likely prove valuable to the recipient:

File Name: DJMC0009.hdr [etc]
User License Code: DJMC
Transmitted: 10/17/05
Job Name: ABC Catalog - Spring; String 1
Job ID: LL004792
Description: For Presort Information Only, For Verification Only

or

File Name: DJMC0076.hdr [etc]
User License Code: DJMC;
Transmitted: 10/17/05
Job Name: ABC Catalog - Spring; String 1
Job ID: LL004792
Description: For Postage Payment; First Submission

As a further recommendation, if a file is transmitted or posted to a BBS, and is subsequently not-to-be-used, then the extension ".del" would be used to signify the deletion of the previously sent File Name. Example, file DJMC0009 is deleted by posting a header record of the file to be deleted with the transmittal name of "DJMC0009.del"

File Level and Record Level Updating

There are special techniques for submitting, revising, and/or deleting Mail.dat® files. Certain behaviors can occur on the full File Level (all records for a File type are to be affected simultaneously). Other behaviors can be such as to only affect individual records. File Status fields (global to the file) are in the Header Record. Record Status fields are in each non-header Record Type.

The various "---------- File Status" fields in the .hdr record communicate which circumstance is represented within the supplied Mail.dat® file set.

File Status Values	Description	Permitted Record Level Values
O = Original	This is a new file, never before seen by recipient	All record level indicators must be "O".
D = Delete	Delete the indicated file in its entirety	No new records, so no record level indicators needed.
R = Replace	Delete all previous records and full replacement	All new record level indicators are "O".
C = Change	The updating files are record specific changes	Permitted record level indicators are "D", "I", and "U".
U = Update	The updating files are record specific changes	Permitted record level indicators is "U" only.

If individual record applicable behaviors occur within files, then the following "----- -----Record Status" values define the affected records.

Record Status Values	Description
O = Original	An Original record, must be part of a O or R record set; ignored, if presented within a "Change" set.
D = Delete	Delete this specific record (Compare Key fields, if same, then delete).
I = Insert	Insert this specific record (Must have no comparable record by Key fields, insert into file).
U = Update	Update this specific record (Compare Key fields, if same then Update).

Only fully populated, as appropriate, records may be part of a file transmission. It is not appropriate to populate only those fields that change.

Special Field Notations or Requirements

* = An asterisk (*) in the Length Description of a Field (ex: 30*) indicates the field is required to be populated if the record type is used.
** = A double asterisk (**) in the Length Description of a Field (ex: 30**) indicates the field is required to be populated for PostalOne!.
That is, PostalOne! specifies that the "** Required" fields are to be populated in addition to all of the "* Required" fields.
*** = A triple asterisk (***) in the Length Description of a Field (ex: 30***) indicates the field is required for USPS International Mail.
 = A field or File marked for DELETION in the next MAJOR Mail.dat Release.
k = A "k" in the Length description of any Field (ex: 30k) indicates that the field is a Key field within the database design.
Reserve Field = A Reserve Field is for record balancing and/or for future use and is not to be populated within this Mail.dat® version.
Closing Character Field = A Closing Character Field must be populated with a "#".
Reserve Code = A "reserve" code in any field is not to be used for any application within this version of Mail.dat.

Mail.dat® - Using The Database (continued)

Special Conformance Note

Do not validate Header History Record except for presence of the following: Job ID, Version, and whether the noted Header History Record have any Required fields that are populated with "spaces" (spaces are not permitted in Header History Records).

Data Type

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

A/N = left justified, “space” added N = right justified, left “zero” filled

If a field does not require the use of conventional values including “Other”, and is not used, then a “blank” field is appropriate.

User Tips

Mail.dat® Field Sequence

Write files separately to the tape in this sequence (sequence should be used for all transmissions or exchanges of Mail.dat):
.hdr, .seg, .mpu, .mcr, .mpa, .cpt, .csm, .icl, .cqt, .pqt, .wsr, .snr, .plr, .icr, .pdr, .sfr, .mir, .msr, .par, .iak
Write files as fixed records and fixed-length fields.

Tape Blocking Factor

Transferring Mail.dat® between different platforms can be tricky. Using labeled tapes makes it easier, but sometimes incompatibilities between operating systems makes this impossible. Therefore, in this case, the following rule is recommended:

For unlabeled tapes, block 100 records to each block.
If the resulting block exceeds 32,000 characters, then block 10 records to each block.

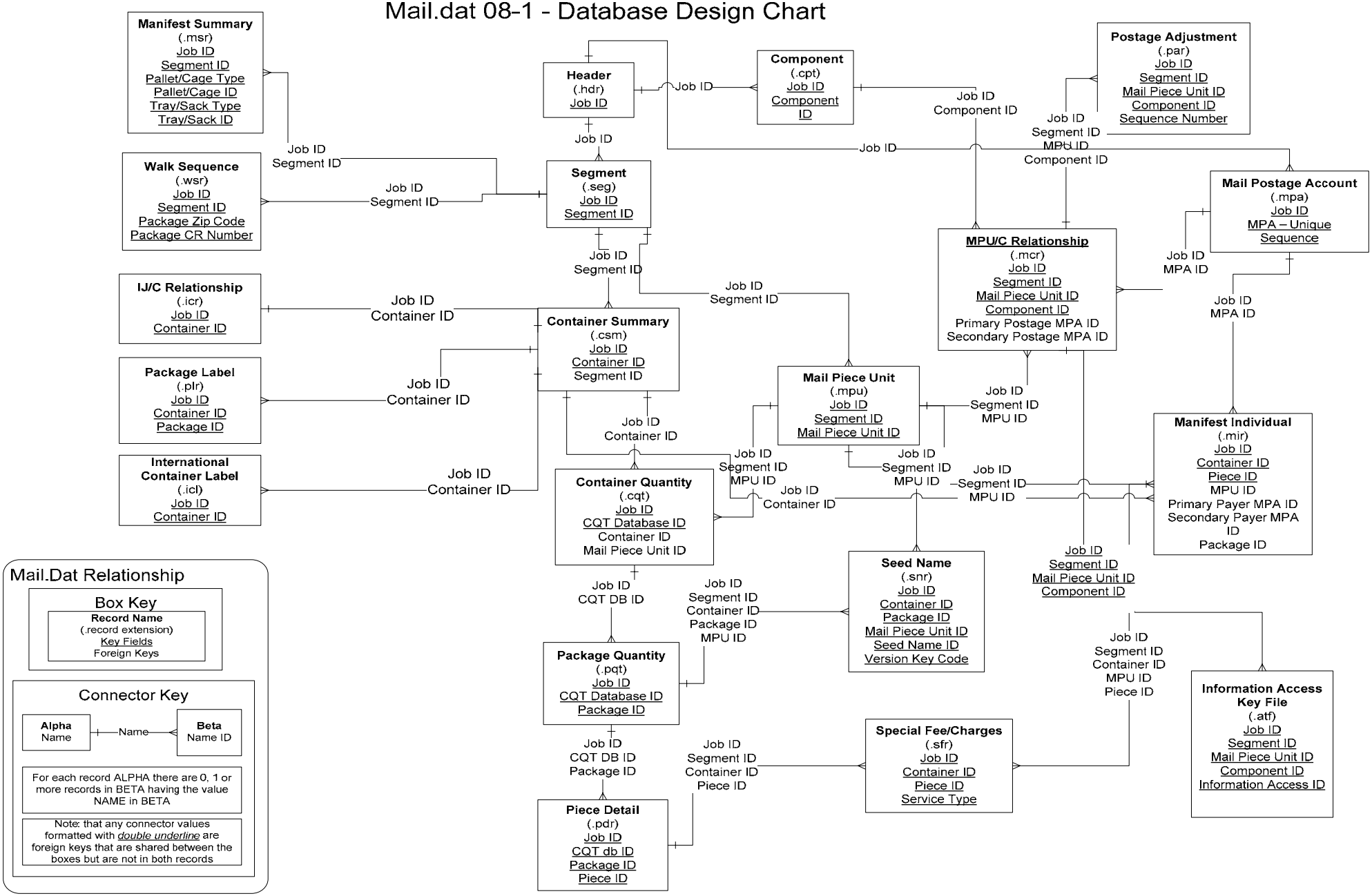
Note that the record count for each file is in the required Header record.
If the record count is zero, as with an optional file, it is not in the transmission and the subsequent file is next.

Line Delimiters

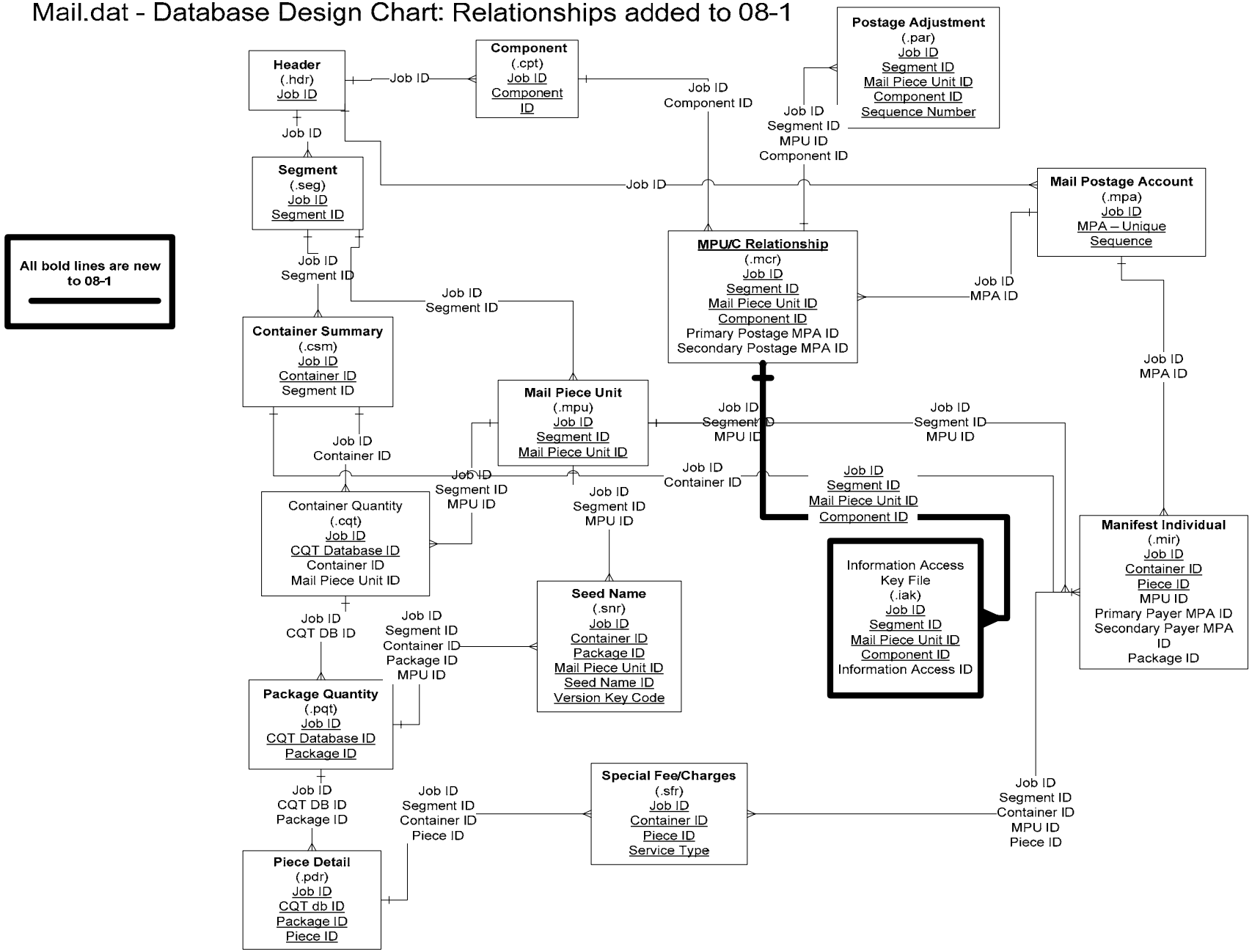
Mail.dat® should be created with whatever line delimiters are appropriate for the platform upon which it is being created.
For example, MS-DOS works well with both carriage returns and line feeds at the end of each line.
On the other hand UNIX works well with just line feeds while IBM MVS/VSE uses a completely different method of line control.

Most file transfer utilities (FTP, etc.) on the market do the necessary conversion between different platforms as they transfer files.
You should select “ASCII”, not “binary” as the transfer type. And select “add CR/LF” and “EBCDIC to ASCII” as appropriate.

Mail.dat 08-1 - Database Design Chart



Mail.dat - Database Design Chart: Relationships added to 08-1



Mail.dat® 08-1
Record Layouts

HEADER RECORD - .hdr				
Field Name	Position	Length	Data Type	Descriptions
Job ID	1 - 8	8*k	A/N	Job ID as given by originator of this file. (Zero fill prior to the numeric, if numeric only) The Job ID assigned to any new Mail.dat® is also to be applied to any Historical Header Record part of that transmission. The field is A/N to allow padding with zeros.
IDEAlliance Version	9 - 12	4*	A/N	08-1
Header History Sequence Number	13 - 16	4*k	N	First is "9999", next is "9998", etc
Header History Status	17 - 17	1*	A	C = Current, H = History Transmit all history records with subsequent transmissions
Historical Job ID	18 - 25	8*	A/N	(zero fill prior to numeric, if numeric only).
Licensed User's Job Number	26 - 50	25**	A/N	The Licensed User's (who created this iteration of Mail.dat) internal Job Number
Job Name/Title & Issue	51 - 80	30*	A/N	
File Source	81 - 110	30*	A/N	
User License Code	111 - 114	4**	A/N	ULC of party creating this iteration of Mail.dat Must - begin with an alpha, be four characters, have no spaces, have no special characters, not be case sensitive
Contact Name	115 - 144	30*	A/N	Ex: John Smith
Contact Telephone Number	145 - 154	10*	A/N	Ex: 9999999999
Date Prepared	155 - 162	8*	N	YYYYMMDD (can not be all zeros)
Time Prepared	163 - 167	5*	A/N	HH:MM (Ex: 18:12)
Segmenting Criteria	168 - 227	60*	A/N	Describe String, List, Mail-stream Characteristics

HEADER RECORD, continued

Field Name	Position	Length	Data Type	Descriptions
Segment Record Count	228 - 233	6*	N	
Segment File Status	234 - 234	1*	A/N	O = Original, D = Delete Entire File, R = Replace Entire File, C = Change Individual Records, N = None Transmitted, U = Update individual Records In this field, and all following Status fields, "O", "D", "R" and "N" describe action upon an entire file. "C" and "U" indicate that only individual records are modified.
Mail Piece Unit Record Count	235 - 240	6*	N	
Mail Piece Unit File Status	241 - 241	1*	A/N	O, D, R, N, C, U
MPU / C Relationship Record Count	242 - 247	6*	N	
MPU / C Relationship File Status	248 - 248	1*	A/N	O, D, R, N, C, U
Mailer Postage Account Record Count	249 - 254	6*	N	
Mailer Postage Account File Status	255 - 255	1*	A/N	O, D, R, N, C, U
Component Record Count	256 - 261	6*	N	
Component File Status	262 - 262	1*	A/N	O, D, R, N, C, U
Container Summary Record Count	263 - 268	6*	N	
Container Summary File Status	269 - 269	1*	A/N	O, D, R, N, C, U
International Container Label Count	270 - 275	6*	N	
International Container Label Status	276 - 276	1*	A/N	O, D, R, N, C, U
Container Quantity Record Count	277 - 284	8*	N	
Container Quantity File Status	285 - 285	1*	A/N	O, D, R, N, C, U
Package Quantity Record Count	286 - 293	8*	N	
Package Quantity File Status	294 - 294	1*	A/N	O, D, R, N, C, U

HEADER RECORD, continued

Field Name	Position	Length	Data Type	Descriptions
Walk Sequence Record Count	295 - 302	8*	N	
Walk Sequence File Status	303 - 303	1*	A/N	O, D, R, N, C, U
Seed Name Record Count	304 - 311	8*	N	
Seed Name File Status	312 - 312	1*	A/N	O, D, R, N, C, U
Package Label Record Count	313 - 320	8*	N	
Package Label File Status	321 - 321	1*	A/N	O, D, R, N, C, U
IJ / C Relationship Record Count	322 - 329	8*	N	
IJ / C Relationship File Status	330 - 330	1*	A/N	O, D, R, N, C, U
Piece Detail Record Count	331 - 340	10 *	N	
Piece Detail File Status	341 - 341	1 *	A/N	O, D, R, N, C, U
Special Fee/Charge Record Count	342 - 351	10 *	N	
Special Fee/Charge File Status	352 - 352	1 *	A/N	O, D, R, N, C, U
Manifest Individual Record Count	353 - 362	10 *	N	
Manifest Individual File Status	363 - 363	1 *	A/N	O, D, R, N, C, U
Manifest Summary Record Count	364 - 373	10 *	N	
Manifest Summary File Status	374 - 374	1 *	A/N	O, D, R, N, C, U
Postage Adjustment Record Count	375 - 380	6 *	N	
Postage Adjustment File Status	381 - 381	1 *	A/N	O, D, R, N, C, U
Information Access Key Record Count	382 - 389	8*	N	
Information Access Key File Status	390 - 390	1*	A/N	O, D, R, N, C, U

HEADER RECORD, continued

Field Name	Position	Length	Data Type	Descriptions
Mail.dat Presentation Category	391 - 391	1*	A/N	P = Conventional Presort; M = MLOCR; I = Manifest Individual; S = Manifest Summary N = Single Piece
Mail.dat Software Vendor Name	392 - 421	30*	A/N	Required, may be name of in-house proprietary software
Mail.dat Software Product's Name	422 - 451	30*	A/N	Name of product creating this Header and applicable data in associated records
Mail.dat Software Version	452 - 461	10*	A/N	
Mail.dat Software Vendor's Email	462 - 521	60*	A/N	Email address of party creating product named above
Licensed User's Email	522 - 581	60*	A/N	Email address of who created this iteration of Mail.dat
Zone Matrix Date	582 - 589	8	N	YYYYMMDD (can not be all zeros)
Event Manager Audit Code	590 - 590	1	A/N	(Canadian Only)
Software Vendor's ZAP Option	591 - 591	1	N	Vendor's USPS ZAP Certification Level
User Option	592 - 1999	1408	A/N	
Closing Character	2000 - 2000	1*		Must be "#" sign

SEGMENT RECORD - .seg

Field Name	Positions	Length	Data Type	Description
Job ID	1 - 8	8*k	A/N	(zero fill prior to numeric, if numeric only)
Segment ID	9 - 12	4*k	A/N	(zero fill prior to numeric, if numeric only) In the event of multiple presorts supplied under common Job ID, the Segment ID must differentiate each subordinate presorts from the others. The field is A/N to allow padding with zeros.
Segment Description	13 - 72	60 *	A/N	Segmentation should be at single mail stream level, (not higher or lower specific hierarchy)
Class Defining Preparation	73 - 73	1*	A/N	1 = First Class 4 = Pkg Services V = Value Post 2 = Periodicals 6 = Std/Periodicals Co-Mailings 9 = Other P = Pub Rate 3 = Std Mail T = AdMail X = Alt Del *International:* *A = Airmail* *B = SAL/ISAL* *C = Surface* *D = Priority* See Definitions Section for alternative interpretation of Co-Mailings
Principal Processing Category	74 - 75	2*	A/N	LT = Letter MP = Machinable Parcel FL = Flat IR = Irregular Parcel CD = Card PF = Parcel, First Class OS = Outside Parcel MM = Manifest; Multiple Categories CM = Custom Mail NA = NFM with pc weights < 6 oz NB = NFM with pc weights ≥ 6 oz NP = Non Machinable Parcels *International:* *UA, UL, UM, UR*

SEGMENT RECORD, continued

Field Name	Positions	Length	Data Type	Description
Standard Mail Sacking Criteria Basic - ECR 3-Digit or 5-Digit Basic	 76 - 77 78 - 79 80 - 81	 2 2 2	 A/N A/N A/N	\ | CO = Count CF = Weight CB = Both /
Package Service, Media Mail and Library Mail Sacking Criteria CR 3-Digit or 5-Digit Basic	 76 - 77 78 - 79 80 - 81	 2 2 2	 A/N A/N A/N	PC = Piece Count, TP = Weight, PT = PC & TP
Substituted Container Prep	82 - 82	1	A/N	S = Sacks for trays T = Trays for Sacks
Periodicals Newspaper Treatment	83 - 83	1	A/N	Y = Yes N = No
Logical/Physical CONTAINER Indicator	84 - 84	1*	A/N	L = Logical Container P = Physical Container
Log/Phy PACKAGE Indicator	85 - 85	1*	A/N	L = Logical Package P = Physical Package
Production Set-up Code	86 - 97	12	A/N	Mailing Facility Set-up Code
LOT Database Date	98 - 105	8*	N	YYYYMMDD (can not be all zeros) Date of LOT database. "00010101" will be the "non-value" if no date available. Must have a valid date for automation and/or carrier route mail, otherwise populate with default value "00010101". Use of non-value may jeopardize rate eligibility.
Sibling Container Mailing	106 - 106	1	A/N	Y = Yes, Blank = Other
Verification Facility Name	107 - 136	30**	A/N	Name of Mailing Facility where verification occurs
Verification Facility ZIP+4	137 - 145	9**	N	ZIP+4 of Mailing Facility where verification occurs
Confirm Indicator	146 - 146	1	A/N	S = Static, N = Variable in SNR, P = Variable in PDR, R = Variable in MIR

SEGMENT RECORD, continued

Field Name	Positions	Length	Data Type	Description
Static Planet Code	147 - 161	15	A/N	To be populated if an "S" is present in Confirm Indicator field. If specifying an 11-digit barcode, then leave the last 2 bytes blank. If not specified, then leave entire field blank. Mailers who create IM™ barcodes for Service Performance Measurement using OneCode Confirm™ can use the 15 byte field to denote Mailer ID + Serial Number combination for tracking purposes.
L.O.T. Direction Indicator	162 - 162	1	A/N	F = Forward R = Reverse
Barcode Verifier Indicator	163 - 163	1	A/N	Y = Yes N = No (MLOCR indicator)
SEG Record Status	164 - 164	1*	A/N	O, D, I, U
Package Services Packaging Criteria	165 - 166	2	A/N	PC = Piece PD = Pound CB = Both
Automation Coding Date	167 - 174	8*	N	YYYYMMDD (can not be all zeros) "00010101" will be the "non-value" if no date available. Must have a valid date for automation and/or carrier route mail, otherwise populate with default value "00010101". Use of non-value may jeopardize rate eligibility.
Carrier Route Coding Date	175 - 182	8*	N	see previous field
Carrier Route Sequencing Date	183 - 190	8*	N	see previous field
EMD Barcode Indicator	191 - 191	1	A/N	M = Mailing, S = Shipment, P = Package Please note: an EMD extract will not be created by simply populating this field with "M", "S", or "P". For an EMD to be generated from a Mail.dat, certain requirements must be met. Please contact the USPS National Customer Support Center (NCSC) regarding Entry Information via email at entryinf@email.usps.gov for further information.

SEGMENT RECORD, continued				
Field Name	Positions	Length	Data Type	Description
EMD Mailing-Generic Package Barcode	192 - 211	20	A/N	
Move Update Date	212 - 219	8	N	Oldest date on which any portion of the mail file represented by this Segment was updated in accord with Move Update policy. YYYYMMDD (can NOT be all zeros)
PDR Population Status	220 - 220	1	A/N	P = Partial F = Full Indicates if all (Full) records OR only a portion (Partial) of possible records are represented within PDR file
Detached Address Label Indicator	221 - 221	1	A/N	Y = Yes No, Not Applicable = Blank
Requested Presort Verification Completion Date	222 - 229	8	N	YYYYMMDD (can not be all zeros)
Requested Piece Weight Verification Completion Date	230 - 237	8	N	YYYYMMDD (can not be all zeros)
Mailing Agreement Type	238 - 238	1	A/N	A = Alternate Mailing System B = Optional Procedure C = Manifest Mailing D = Value Added E = Combined Mail F = Combined and Value Added
Mail Facility ID	239 - 248	10**	A/N	This USPS-assigned id, CRID, will be used by USPS to uniquely identify Mailer's Origin Facility where mail verification took place to route the electronic information for BMEU personnel

SEGMENT RECORD, continued

Field Name	Positions	Length	Data Type	Description
Container and Bundle Charge Method	249 - 249	1*	N	1 – Charge all to a 3rd party 2 – Charge all to one of the publications 3 – proportion by copies to each of the publications 0 – no publications in the mailing
MPA ID for Container and Bundle Charge Method	250 - 259	10	A/N	MPA Identifier that will be used to allocate the container and bundle charges for the segment if ALL containers and/or bundles are charged to a single payer. Note: This value should only be entered if the 'Container and Bundle Charge Method" is 1 or 2
Presentation Category	260 – 260	1	A/N	P = MLOCR/BCS One Pass Finalization Mailing - Planned A = MLOCR/BCS One Pass Finalization Mailing - Actual
Seamless Acceptance Indicator	261 - 261	1	A/N	Y = Yes; N = No
Less Than a Presort Segment Presentation	262 - 262	1	A/N	Identifies Full or Partial Y = Partial; N = Full Presort; Blank = None
User option Field	263 - 282	20	A/N	
Reserve	283 - 399	117	A/N	
Closing Character	400 - 400	1*		Must be "#" sign

MAIL PIECE UNIT RECORD - .mpu

Field Name	Positions	Length	Data Type	Description
Job ID	1 - 8	8 *k	A/N	(zero fill prior to numeric, if numeric only)
Segment ID	9 - 12	4 *k	A/N	(zero fill prior to numeric, if numeric only)
Mail Piece Unit ID	13 - 17	5 *k	A/N	(zero fill prior to numeric, if numeric only) Must have some value, even if single edition. The field is A/N to allow padding with zeros.
Mail Piece Unit Name	18 - 29	12*	A/N	see Definitions Section for naming convention for Periodicals
Mail Piece Unit Description	30 - 59	30	A/N	
Mail Piece Unit - Weight	60 - 65	6*	N	99v9999; pounds, rounded (decimal point implied) Presort Facilities default to 1 ounce, if Metered Mail
MPU - Weight: Source	66 - 66	1**	A/N	A = Agent (real-time), C = Calculated (formula) P = Postal (clerk), L = Logical (implied from rate)
MPU - Weight: Status	67 - 67	1*	A/N	N = None Given, P = Pending, F = Final, M = Man Wt (function of Rate, not actual)
Mail Piece Unit - Length	68 - 74	7	N	999v9999; inches, rounded (decimal point implied)
Mail Piece Unit - Width	75 - 80	6	N	99v9999; inches, rounded (decimal point implied)
Mail Piece Unit - Thickness	81 - 86	6	N	99v9999; inches (decimal point implied)
Mail Piece Unit - Periodical Ad %	87 - 91	5**	N	999v99 (decimal point implied)
MPU - Periodical Ad %: Status	92 - 92	1*	A/N	N = None Given, P = Pending, F = Final

MAIL PIECE UNIT RECORD, continued

Field Name	Positions	Length	Data Type	Description
Mail Piece Unit - Class	93 - 93	1*	A/N	1 = First Class 2 = Periodicals 3 = Std Mail 4 = Pkg Services 5 = Per Pending 9 = Other V = Value Post T = AdMail X = Alt Del P = Pub Rate *International: A = Airmail B = SAL/ISAL C = Surface D = Priority*
Mail Piece Unit - Rate Type	94 - 94	1*	A/N	R = Regular (US/MEX/CAN) N = Nonprofit L = Library S = Science of Agriculture C = Classroom P = Parcel Post B = Bound Printed Matter A = Alt Delivery F = Media T = Priority E = Priority Mail Flat (fixed) - Rate Envelope D = Parcel Select G = Priority Mail Flat (fixed) – Rate Box X = Other J = Priority Mail Flat – Large Box K = Priority Mail Flat – Large Box APO/FPO W = Science of Agriculture Limited Circulation Y = Regular Limited Circulation *International: 1 = UA, 2 = UL, 3 = UM, 4 = UR*
Mail Piece Unit - Processing Category	95 - 96	2*	A/N	LT = Letter FL = Flat MP = Machinable Parcel CD = Card IR = Irregular Parcel PF = Parcel, First Class OS = Outside Parcel CM = Custom Mail NA = NFM with pc weights < 6 oz NB = NFM with pc weights ≥ 6 oz NP = Non Machinable Parcels *International: LA - LM; AA - AM; SF - SH* *(see Definitions Section for Detail)*
Country	97 - 99	3*	A/N	Left Justify; Space Added: Country of the Postal System where the mailing is to be inducted. US = USA CA = Canada MX = Mexico FOR = Foreign Periodical Foreign Mail : use ISO3166 (2 position alpha) *Int'l: use ISO3166 (2 position alpha Country Code)*

MAIL PIECE UNIT RECORD, continued

Field Name	Positions	Length	Data Type	Description
MPU Surcharge	100 - 100	1*	A/N	N = Not Oversized Surcharge O = Single PC Non-Std P = Balloon Surcharge Q = Residual Shape Surcharge R = Non-Mach Surcharge S = Presort Non-Std Surcharge D = Dim Weight 1 = Parcel > 84" ≤ 108" 2 = Parcel > 108" ≤ 130"
Co-Palletization Code	101 - 102	2*	A/N	If no co-palletization is occurring, then populate field with "01"
 Five Digit Scheme Database Date	103 - 110	8	N	YYYYMMDD (can not be all zeros)
Sibling Container Mailing	111 - 111	1	A/N	Y = Yes, Blank = Other
Confirm Subscriber ID	112 - 116	5	N	
MPU Record Status	117 - 117	1*	A/N	O, D, I, U
Flat Machinability	118 - 118	1	A/N	Y = Machinable on ASFM 100 U = Machinable on USFM 1000 N = Not machinable Blank = not applicable: processing category is not a flat (FL)
Pre-Denominated Amount	119 - 123	5	N	9999v9 cents (decimal implied)
Postage Affixed Type	124 - 124	1	A/N	S = Stamp M = Meter
 Prose XML Edition Code	125 - 144	20	A/N	Edition Code of the Prose XML data which may have been integrated within the respective Mail.dat
Bulk Insurance	145 - 145	1	A/N	Y = Yes, N = No, O = Other
Reserve	146 - 207	62	A/N	
Closing Character	208 - 208	1*		Must be "#" sign

MPU / C - RELATIONSHIP RECORD - .mcr

Field Name	Positions	Length	Data Type	Description
Job ID	1 - 8	8*k	A/N	(zero fill prior to numeric, if numeric only)
Segment ID	9 - 12	4*k	A/N	(zero fill prior to numeric, if numeric only)
Mail Piece Unit ID	13 - 17	5*k	A/N	(zero fill prior to numeric, if numeric only) Left justify, must have some value, even if single edition
Component ID	18 - 25	8*k	A/N	(zero fill prior to numeric, if numeric only) Left justify, must have some value, even if single edition
MCR Record Status	26 - 26	1*	A/N	O, D, I, U
Primary MPA ID	27 - 36	10*	A/N	From MPA - Unique Sequence/Grouping ID
Additional Postage MPA ID	37 - 46	10	A/N	From MPA - Unique Sequence/Grouping ID
Host Statement Component ID	47 - 54	8	A/N	List Code (zero fill prior to numeric, if numeric only)
Host Indicator of Ad Computation	55 - 55	1	A/N	Y = Yes N = No Blank = Not Applicable
Postage Adjustment MPA ID	56 - 65	10	A/N	(zero fill prior to numeric, if numeric only) Unique identifier for the respective MPA within an MPU. Establishes the set of MPU pieces on one Postage Statement
Reserve	66 - 99	34		
Closing Character	100 - 100	1*		Must be "#" sign

MAILER POSTAGE ACCOUNT RECORD - .MPA

Field Name	Positions	Length	Data Type	Description
Job ID	1 - 8	8*k	A/N	(zero fill prior to numeric, if numeric only)
MPA - Unique Sequence/Grouping ID	9 - 18	10*k	A/N	(zero fill prior to numeric, if numeric only) Unique identifier for the respective MPA within an MPU. Establishes the set of MPU pieces on one Postage Statement
MPA - Description	19 - 48	30	A/N	
USPS Publication Number	49 - 57	9**	A/N	Numeric only, zero padded, value in Postage Payment Method field negates need for alpha in this field. (Note: In the event of a Periodicals Pending, the Publication Number field will be blank and the below Permit Number field will be used.) See definitions for further details.
Permit Number	58 - 65	8**	A/N	see "Note" in previous field
Permit City	66 - 78	13	A/N	
Permit State	79 - 80	2	A/N	
Permit ZIP+4	81 - 89	9**	A/N	(ex: 543219876 or A1A1A1___) (International: left justify, blank pad: 54321----)
Mail Owner's Lcl Permit Ref Num / Int'l Bill Num	90 - 97	8	N	Number used by local USPS for client identification. See Definition for further details
Mail Owner's Lcl Permit Ref Num/ Int'l Bill Num - Type	98 - 98	1	A/N	S = Stamp M = Meter P = Permit G = Gov't - Fed (using Permit) V = Virtual Reference Number H = Government Meter
Postage Payment Option	99 - 99	1**	A/N	C = CPP V = PVDS T = CAPS D = Debit O = Other B = Billing
CAPS Reference Number	100 - 139	40	A/N	Left justify, space added

MAILER POSTAGE ACCOUNT RECORD, continued

Field Name	Positions	Length	Data Type	Description
Postage Payment Method	140 - 140	1*	A/N	S = Stamp P = Permit L = Metered: Lowest C = Metered: Correct M = Metered: Neither A = Alt Del H = Cash I = Partial Permit Imprint G = Gov't - Fed (use Permit) T = Per Pend (using Permit)
Mailing Facility Identifier	141 - 155	15**	A/N	Note: Use 9 or 15 bytes to represent an actual DUNS number. Use 8 or 9 bytes to represent a USPS-assigned CRID (Customer Registration ID).
Permit Holder Identifier	156 - 170	15	A/N	See Note in Previous field
Federal Agency Cost Code	171 - 175	5	A/N	Federal Agency Code
Non-Profit Authorization Number	176 - 185	10	A/N	
Title	186 – 215	30	A/N	Publication Title
MPA Record Status	216 - 216	1*	A/N	O, D, I, U
Reserve	217 - 279	63	A/N	
Closing Character	280 - 280	1*		Must be "#" sign

COMPONENT RECORD - .cpt

Field Name	Positions	Length	Data Type	Description
Job ID	1 - 8	8*k	A/N	(zero fill prior to numeric, if numeric only)
Component ID	9 - 16	8*k	A/N	(zero fill prior to numeric, if numeric only)
Component Description	17 - 46	30	A/N	Left justify. If used, must have some value, even if single edition
Component - Weight	47 - 52	6*	N	99v9999; pounds, rounded (decimal point implied)
Component - Weight: Source	53 - 53	1**	A/N	A = Agent (real-time), C = Calculated (formula) P = Postal (clerk), L = Logical (implied from rate)
Component - Weight: Status	54 - 54	1*	A/N	N = None Given, P = Pending, F = Final, M = Manifest Weight as function of Rate Interval (not actual)
Component - Length	55 - 61	7	N	999v9999; inches, rounded (decimal point implied)
Component - Width	62 - 67	6	N	99v9999; inches, rounded (decimal point implied)
Component - Thickness	68 - 73	6	N	99v9999; inches, rounded (decimal point implied)
Component - Periodical Ad Percentage	74 - 78	5**	N	999v99, rounded (decimal point implied)
Component - Periodical Ad Percentage: Status	79 - 79	1*	A/N	N = None Given, P = Pending, F = Final,
Component - Class	80 - 80	1*	A/N	1 = First Class 2 = Periodicals 3 = Std Mail 4 = Pkg Services 5 = Per Pending 9 = Other V = Value Post T = AdMail X = Alt Del P = Pub Rate *International:* *A = Airmail* *B = SAL/ISAL* *C = Surface* *D = Priority*

COMPONENT RECORD, continued

Field Names	Positions	Length	Data Type	Description
Component - Rate Type	81 - 81	1*	A/N	R = Regular (US/MEX/CAN) L = Library C = Classroom N = Nonprofit P = Parcel Post S = Science of Agriculture A = Alt Delivery B = Bound Printed Matter H = Per Ride-Along F = Media Mail D = Parcel Select T = Priority M = Repositionable Component X = Other Z - Included, part of host postage E = Priority Mail Flat (fixed) - Rate Envelope G = Priority Mail Flat (fixed) – Rate Box I = First Class Permit Reply Mail J = Priority Mail Flat – Large Box K = Priority Mail Flat – Large Box APO/FPO W = Science of Agriculture Limited Circulation Y = Regular Limited Circulation *International: 1 = UA, 2 = UL, 3 = UM, 4 = UR*
Component -Processing Category	82 - 83	2*	A/N	LT = Letter MP = Machinable Parcel FL = Flat IR = Irregular Parcel CD = Card PF = Parcel, First Class OS = Outside Parcel CM = Custom Mail NA = NFM with pc weights < 6 oz NB = NFM with pc weights ≥ 6 oz NP = Non Machinable Parcels *International: LA - LM; AA - AM; SF - SH (see Definitions Section for Detail)*
Mail Owner Identifier	84 - 98	15	A/N	Note: Use 9 or 15 bytes to represent an actual DUNS number. Use 8 or 9 bytes to represent a USPS-assigned CRID (Customer Registration ID). Use 12 bytes to represent the FAST Scheduler ID.
Sibling Container Mailing	99 - 99	1	A/N	Y = Yes, Blank = Other
Mail Owner's Mailing Reference ID	100 - 149	50	A/N	
CPT Record Status	150 - 150	1*	A/N	O, D, I, U
Periodical Ad% Treatment	151 - 151	1	A/N	B = Ad % not counted, CPT weight added to base piece S = Carries own Ad Percentage N = Not applicable
Periodical Volume Number	152 - 156	5	A/N	

COMPONENT RECORD, continued

Field Names	Positions	Length	Data Type	Description
Periodical Issue Number	157 - 162	6	A/N	
Periodical Issue Date	163 - 170	8**	N	YYYYMMDD (can't be all zeros) (** is for Periodicals Only)
Periodical Frequency	171 - 173	3	N	Number of times published per year
Weight Version ID	174 - 193	20	A/N	Unique ID of version placed on the component – Periodicals enhancement
Weight Equivalent User License Code	194 - 197	4	A/N	User license code of a component of common weight. Used in conjunction with Weight Equivalent Job ID and Weight Equivalent Component ID to link together components with common book weight.
Weight Equivalent Mail.dat Job ID	198 - 205	8	A/N	See above note.
Weight Equivalent Component ID	206 - 213	8	A/N	See note for “Weight Equivalent User License Code” field.
Component Title	214 - 243	30	A/N	Title information
Reserve	244 - 319	76		
Closing Character	320 - 320	1*		Must be "#" sign

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CONTAINER SUMMARY RECORD - .csm

Field Name	Position	Length	Data Type	Description
Job ID	1 - 8	8*k	A/N	(zero fill prior to numeric, if numeric only)
Segment ID	9 - 12	4*	A/N	(zero fill prior to numeric, if numeric only)
Container Type	13 - 13	1*	A/N	P = Pallet S = Sack (general) V = Sack (Virtual) 1 = #1 Sack 2 = #2 Sack 3 = #3 Sack 4 = 01V Sack 5 = 03V Sack M = Logical Pallet (MLOCR) O = 1' Tray T = 2' Tray E = EMM Tray F = Flat Tub, B = Bedload U = Unit Load Device W = Walled Unit Z = User Pallet L =Logical Tray (MLOCR) H = EIRS 61 – Hamper, Large Canvas A = EIRS 61P – Hamper, Large Plastic G = EIRS 66 – General Purpose Mail Container w/Gate D = EIRS 68 – Eastern Region Mail Container w/Web Door R = EIRS 84 – Wire Container Rigid C = EIRS 84C – Collapsible Wire Container
Container ID	14 - 19	6*k	N	Mail.dat® container serial number, used to link Mail.dat® files. Must be mutually exclusive across all Segments and Container Types of a Job ID. (zero fill prior to numeric)
Display Container ID	20 - 25	6*	A/N	(zero fill prior to numeric, if numeric only) Meaningful (external to Mail.dat) container ID as defined by specific production application; the Postal container label
Container Grouping Description	26 - 34	9	A/N	User Defined Grouping
Container Destination Zip	35 - 40	6*	A/N	US = 99999_, or 888___ CAN = A1A9Z9 Default for containers with no ZIP or Postal Code: CANADA = if Canadian AOFRGN = if all other foreign MEXICO = if for Mexico USA = if for U.S. Domestic *International: (ex: FRCDGA = FR CDG A)*

Container Level	41 - 42	2*	A/N	**Eligible Types: S = Sack, T = Tray, P = Pallet** If single character, left justify, space added

Codes	**Characteristic (Domestic)**	**(Eligible Types)**	**Codes**	**Characteristic**	**(Eligible Types)**
A =	CR-Direct	(S, T, P)	AD =	ASF	(S, P)
B =	Mixed CR in 5 Digit	(S, T, P)	AE =	BMC	(S, P)
C =	Mixed CR in 3 Digit	(S, T)	AF =	Protected BMC	(P)
D =	CR - 5D Scheme	(S, T, P)	AG =	Mixed BMC	(S, P)
G =	5 Digit (Auto/Presort)	(S, T, P)	AH =	Origin MxADC	(S, T)
H =	5 Digit (Merged)	(S, T, P)	AI =	Protected ADC	(P)
I =	5 Digit (Presort Only)	(S, T, P)	AJ =	Single Piece	(T, S)
J =	5 Digit (Barcode only)	(S, T, P)			
K =	Metro Scheme	(P)			
M =	5D Scheme (Presort)	(S, T, P)			
N =	5D Scheme (Auto, Presort)	(S, T, P)		**(Canada/Foreign)**	
P =	5D Scheme (Barcode)	(S, T, P)	BA =	Urban - Direct	(S, T)
Q =	5D Scheme (Merged)	(S, T, P)	BB =	Rural Direct	(S, T)
R =	3 Digit (Auto, Presort)	(S, T)	BC =	Station	(S, T, P)
S =	3 Digit (Barcode)	(S, T)	BD =	City	(S, T, P)
T =	3 Digit (Presort)	(S, T)	BE =	FSA	(P)
U =	3 Digit (CR, Auto, Presort)	(S, T, P)	BF =	DCF	(S, T, P)
V =	3 Digit Scheme	(T)	BG =	FCP	(S, T, P)
W =	Unique 3 Digit 	(S, T)	BH =	Province	(P)
X =	SCF	(S, P)	BI =	Residual	(S, T, P)
Y =	Protected SCF	(P)	BJ =	Foreign	(S, T, P)
Z =	ADC	(S, T, P)	BK =	Country	(S, T, P, W, U)
AA =	AADC	(T)	BL =	Mixed Country	(S, T, P, W, U)
AB =	Mixed ADC	(S, T, P)	BM =	M Bags	(S)
AC =	Mixed AADC	(T)			

CONTAINER SUMMARY RECORD, continued

Field Name	Position	Length	Data Type	Description
Entry Point for Entry Discount - Postal Code	43 - 48	6*	A/N	US = 99999_, or 888___; CAN =A1A9Z9; *International = USORDA*
Entry Point for Entry Discount - Facility Type	49 - 49	1*	A/N	B = DBMC A = ASF S = DSCF D = DDU H = Tran Hub R = ADC O = Origin X = Alt Delivery V = Int'l Gateway U = USPS Int'l T = Orig(T-Hub Sq) N = Not-determined G = Can (Gatwy) P = Can (in Can) F = Forgn Mail Consol. C = Origin SCF E = Origin DDU J = Origin ADC K = Origin BMC L = Origin ASF M = Dest AMF Q = Origin AMF *I = IBMC (Int'l BMC, NJ)*
Entry Point - Actual / Delivery - Locale Key	50 - 58	9*	A/N	US = LOCA12345 (LOC plus 6 bytes of the Locale key from the drop ship product); 'ORIGIN' for origin entered mail; CAN =A1A 9Z9; 'FOR' for International mail See Scenarios and Definitions Sections for alternatives for populating this field
Entry Point - Actual / Delivery - Postal Code	59 - 67	9*	A/N	ZIP + 4 of building receiving the mail; ZIP + 4 of DMU for DMU entered mail; The ZIP + 4 shall be the Delivery address Zip + 4 from the USPS Drop Ship Product
Parent Container Reference ID	68 - 73	6	N	Container ID of the Parent Container in which this Child Container resides, if such relationship exists, blank if no such relationship. Parent Containers may have Parent Containers themselves. (zero fill prior to numeric) (use numeric populated in 14/6 of .CSM of Parent record)
Truck or Dispatch Number	74 - 83	10	A/N	
Stop Designator	84 - 85	2	A/N	Stop order and stop "1" will be the first stop (i.e., what is loaded in the tail)

CONTAINER SUMMARY RECORD, continued

Field Name	Position	Length	Data Type	Description
Reservation Number	86 - 100	15	A/N	Left justify; space added
Container Ship Date	101 - 108	8**	N	YYYYMMDD (can not be all zeros)
Container Ship Time	109 - 113	5	A/N	HH:MM (EX: 18:12)
Container Pick Up Date	114 - 121	8	N	YYYYMMDD (can not be all zeros)
Container Pick Up Time	122 - 126	5	5	A/N
Container Acceptance Date	127 - 134	8	N	YYYYMMDD (can not be all zeros)
Scheduled In-Home Date	135 - 142	8	N	YYYYMMDD (can not be all zeros) (first date in range)
Additional In-Home Range	143 - 143	1	N	Additional days in In-Home Range (values = 0,1,2,3,4,5,6,7,8,9)
Scheduled Induction Date	144 - 151	8	N	YYYYMMDD (can not be all zeros)
Scheduled Induction Time	152 - 156	5	A/N	HH:MM (EX: 18:12)
Internal Date	157 - 164	8	N	YYYYMMDD (can not be all zeros)
Number of Copies	165 - 172	8*	N	
Number of Pieces	173 - 180	8*	N	
Total Weight (product only)	181 - 185	5*	N	9999v9 pounds, round (dec pt implied) Min = .1; (Int'l = gross)
Unique Container ID	186 - 197	12	A/N	(zero fill prior to numeric, if numeric only) 12 byte A/N string unique among containers within User License Code for three-month period.

CONTAINER SUMMARY RECORD, continued				
Field Name	Position	Length	Data Type	Description
Container Status	198 - 198	1	A/N	Blank = Not closed; R = Ready to pay; X = Paid; C = Cancel D = Delete P = Preliminary postage statement T = Transportation Information Update, if after "R" A = Ready to accept, for periodicals under CPP
Machinable Mail Piece	199 - 199	1*	A/N	Y = Letters - Machinable, no surcharge, Container Label gets "MACH" N = Letters -Manual, Non-Mach Surcharge and Cont Label gets MAN" U = Unaffected Container A = Letters - No Surcharge; Tray Label says "MAN" (Simplified Mail)
Tray Preparation Type	200 - 200	1*	A/N	P = Package, L = Loose, S = Separator, N = Not Applicable
Protected Container Status	201 - 201	1*	A/N	P = Protected, N = Not Protected
Container Presort Content	202 - 202	1	A/N	A = CR, B = Barcode, C = Non BC, D = CR/NBC, E = CR/BC, F = NBC/BC, G = CR/BC/NBC
Geographic Scheme Level	203 - 203	1	A/N	A = CR Scheme, B = 5-Digit Scheme, C = 3-Digit Scheme
Trans-Ship Bill of Lading Number	204 - 213	10	A/N	Multi-carrier load connection
Production Machine ID	214 - 225	12	A/N	
Sibling Container Indicator	226 - 226	1	A/N	Y = Yes, Blank = Other If "Y", then see Definitions Section for appropriate use

CONTAINER SUMMARY RECORD, continued				
Field Name	Position	Length	Data Type	Description
Sibling Container Reference ID	227 - 232	6	N	Identifies the original container with which this Sibling Container is associated, if such relationship exists. Blank if no such relationship. (zero fill prior to numeric, as necessary) (use numeric populated in 14/6 of .CSM of original container)
Postage Grouping ID	233 - 240	8	A/N	(zero fill prior to numeric, if numeric only)
Container Gross Weight	241 - 245	5	N	(9999v9, decimal implied) (inclusive of mail and container)
Container Gross Weight - Source	246 - 246	1	A/N	A = Actual E = Estimated
Container Height	247 - 249	3	N	(value in inches, no decimal) (inclusive of mail and container)
Container Height - Source	250 - 250	1	A/N	A = Actual E = Estimated
EMD – 8125 ASN Barcode	251 - 270	20	A/N	
Transportation DUNS Number	271 - 285	15	A/N	
 Container Level Attempted	286 - 287	2	A/N	**Only specified when container is actually re-labeled.** Specify the attempted container level prior to re-labeling Example: 3D Pallet Min > SCF Pallet Min, attempted SCF Pallet re-labeled as 3D since it contains only one 3D; code as X for SCF. Likely values: "X", and "Blank"
Special Condition On Limit	288 - 289	2	A/N	OV = overflow (multi containers to same level & destination) UF = under-filled (multi containers to same level & destination) SM = below minimum established by rule SN = below normal minimum, as with an origin container OM = over maximum

CONTAINER SUMMARY RECORD, continued				
Field Name	Position	Length	Data Type	Description
DMM Section Defining Container Preparation	290 - 301	12	A/N	Full DMM applicable reference including subsections Example: DMM 300 section 705.8 could be represented as "705.8"..... Section 711.2.1 would be "711.2.1" Minimum value is 3 bytes; example "702"
Alternate Method Defining Preparation	302 - 313	12	A/N	CSR number for Customer Support Ruling, EXCL with date for exception letter, can specify an NSA or other agreement; can be in addition to DMM reference
 Zebra Stripe" Indicator	314 - 314	1	A/N	Z = Zebra Stripe Required N = Not Allowed
Label: 24-Character Container Barcode	315 - 338	24	A/N	Left justify, blank fill. If not specified, then leave field blank. PostalOne! Requires that data be populated in this field, if represented mailing is using e8125 and container is a Pallet
Label: 10-Character Container Barcode	339 - 348	10	A/N	Left justify, blank fill. If not specified, then leave field blank.
Label: Destination Line 1	349 - 378	30	A/N	Left Justify
Label: Destination Line 2	379 - 408	30	A/N	Right Justify
Label: Contents - Line 1	409 - 438	30	A/N	Left Justify
Label: Contents - Line 2	439 - 458	20	A/N	Right Justify (overflow of line 1)
Label: Entry (Origin) Point Line	459 - 488	30	A/N	
Label: User Information Line 1	489 - 528	40	A/N	user defined or client requested information
Label: User Information Line 2	529 - 568	40	A/N	user defined or client requested information
Container Label CIN Code	569 - 572	4	A/N	

CONTAINER SUMMARY RECORD, continued				
Field Name	Position	Length	Data Type	Description
Container Label Type	573 - 573	1	N	1 = Tray, 2 = Sack, 3 = Pallet, 4 = Other
CSM Record Status	574 - 574	1*	A/N	O, D, I, U
Container Contains Overflow Indicator	575 - 575	1	A/N	Y = Yes ; N = No
FAST Content ID	576 – 584	9	A/N	User defined or FAST generated information
FAST Scheduler ID	585 - 596	12	N	USPS Defined Scheduler ID
Reserve	597 - 699	103	A/N	
Closing Character	700 - 700	1*		Must be "#" sign

INTERNATIONAL CONTAINER LABEL RECORD - .icl

Field Name	Positions	Length	Data Type	Description
Job ID	1 - 8	8*k	A/N	(zero fill prior to numeric, if numeric only)
Container ID	9 - 14	6*k	N	(zero fill prior to numeric)
Destination Line 1	15 - 44	30*	A/N	Left Justify
Int'l: Dest Country Code	15 - 16	2	A/N	
Int'l: Dest Location	17 - 19	3	A/N	
Int'l: Dest OE Qualifier	20 - 20	1	A/N	
Int'l: Final Dest City Name	21 - 44	24	A/N	
Destination Line 2	45 - 74	30	A/N	Not used for *International* Container Definitions
Contents Line 1	75 - 104	30*	A/N	Left Justify ((Int'l: use for Flight Number(s))
Contents Line 2	105 - 124	20	A/N	Not used for *International* Container Definitions
Entry (Origin) Point Line	125 - 154	30*	A/N	
Int'l: Origin Country Code	125 - 126	2	A/N	
Int'l: Origin Location	127 - 129	3	A/N	
Int'l: Origin OE Qualifier	130 - 130	1	A/N	
Int'l: Internal Date	131 - 138	8	N/N	DDMMYYYY (International "Date Sequence" Convention)
Int'l: spare	139 - 154	16		Cannot be Null character
User Information	155 - 184	30	A/N	user defined or client requested information
Container Label Bar Code	185 - 196	12	A/N	Numeric equivalent, blank padded: trays = 10 bytes, sacks = 8 bytes, pallets = blank, or 12 bytes.
Alt Del - Line 1	197 - 226	30	A/N	

INTERNATIONAL CONTAINER LABEL RECORD, continued

Field Name	Positions	Length	Data Type	Description
Int'l: Int'l Mail Category	197 - 197	1	A/N	
Int'l: Int'l Mail Class/ Sub-Class	198 - 199	2	A/N	
Int'l: Dispatch Year	200 - 200	1	N	
Int'l: Dispatch Number	201 - 204	4	N	
Int'l: Receptacle Number	205 - 207	3	N	
Int'l: Highest Recpt # Indicator	208 - 208	1	N	
Int'l: Registrd/ Insured Indicator	209 - 209	1	N	
Int'l: Weight	210 - 213	4	N	999v9; kgs, rounded (dec pt implied); underscore, if omitted
Int'l: spare	214 - 226	13	-	can not be null character
Alt Del - Line 2	227 - 256	30	A/N	Not used for *International* Container Definitions
Alt Del - Line 3	257 - 286	30	A/N	Not used for *International* Container Definitions
Alt Del - Line 4	287 - 316	30	A/N	Not used for *International* Container Definitions
Alt Del - Line 5	317 - 346	30	A/N	Not used for *International* Container Definitions
ICL Record Status	347 - 347	1*	A/N	O, D, I, U
Reserve	348 - 405	58	A/N	
Closing Character	406 - 406	1*		Must be "#" sign

CONTAINER QUANTITY RECORD - .cqt

Field Name	Positions	Length	Data Type	Description
Job ID	1 - 8	8*k	A/N	(zero fill prior to numeric, if numeric only)
CQT Database ID	9 - 16	8*k	N	Mail.dat® Container Quantity unique number, used to link Mail.dat® CQT and PQT (and PDR) files. Must be mutually exclusive across a Job ID. (zero fill prior to numeric)
Container ID	17 - 22	6*	N	(zero fill prior to numeric)
3 Digit / 5 Digit Container Division	23 - 27	5*	A/N	3 Digit or 5 Digit Division as necessary. example: US = (99999_), or (888___) CANADIAN = (A1A___), Left Justify 3 Digit (1C, 2C & 3C use 3 Digit Division; generate additional 5 Digit records, if a "DDU" in position 49 of .CSM or if record is a 5 Digit Scheme Package or Container) (4C use 5 Digit Division) ***Default if no ZIP or Postal Code:*** Left Justify; Space Added: US = USA CA = Canada MX = Mexico FOR = Foreign Foreign Mail: use ISO3166 (2 position alpha Country Code) *International: Use ISO3166 (2 position alpha Country Code)*
Mail Piece Unit ID	28 - 32	5*	A/N	Left justify; must have some value, even if single edition (zero fill prior to numeric, if numeric only)
Zone	33 - 33	1*	A/N	(Package Services) L = Local (Periodicals) V = ADC (Priority/Periodicals/Package Services) 1 = Zone 1&2 (Priority/Periodicals/Package Services) 3, 4, 5, 6, 7, 8 = Zone 3, 4, 5, 6, 7, 8 (All) S = SCF D = DDU N = Not Zoned (Foreign Periodicals) Q = Canada, R = Mex, X = Zone 3, T = Zone 4, U = Zone 5, G = Zone 6 (Micronesia, Marsh Islds) *Intern'l: A = SA, E = EU, P = Pacific, F = AF & Mid East, C = Can, M = Mex*
Destination Entry	34 - 34	1*	A/N	B = DBMC S = DSCF D = DDU A = DADC O = OptBMC N = None P = Parcel Post - Inter-BMC Q = Parcel Post - Intra-BMC

CONTAINER QUANTITY RECORD, continued

Field Name	Positions	Length	Data Type	Description
Rate Category	35 - 36	2*	A/N	If single character, left justify, space added

Canadian & Foreign:

1 = Letter Carrier
2 = NDG Sort
3 = Mexico
4 = Foreign
5 = Misc
6 = reserve
7 = International (by Weight)
8 = Gateway Direct
9 = Full
0 = M-Bag

A = Saturation – ECR
B = High Density – ECR
D = Carrier Route
E = 5 Digit Barcode
G = 5D Non Barcode
H = 3 Digit Barcode
K = 3D Non Barcode
L = Basic Barcode

N = Basic (1C/4C Presort)
O = CR – Barcode
S = Single Piece
X = Alt Delivery - CR
Y = Alt Delivery – Basic

Z1 = Par Post (BMC Sort)
Z2 = Par Post (OBMC Sort)
L1 = AADC BC
L2 = MxAADC BC
L3 = ADC BC
L4 = MxADC BC
L5 = ADC Non-BC
AF = Sat-ECR Ltr (Pd Flt)
BF = HD-ECR Ltr (Pd Flt)
KF = 3D Ltr (Pd Flt)
GF = 5D Ltr (Pd Flt)
DF = CR Ltr (Pd Flt)
NF = Bas Ltr (Paid Bas Flt)
FB = Firm Bundle (Not In-County)

Standard Parcels Piece Rates
PI = 5-Digit
PM = 3-Digit
P7 = ADC
P8 = Mixed ADC

Not Flat-Machinables
NG = 5-Digit
NK = 3-Digit
N5 = ADC/BMC
N6 = Mixed ADC/BMC

Standard & Periodical Flats and Letters
L6 = MxADC Non-BC
Standard Letters
L7 = AADC Non-BC
L8 = MxAADC Non-BC

CONTAINER QUANTITY RECORD, continued

Field Name	Positions	Length	Data Type	Description
				Piece and Pound Rates (For pieces that are more than 3.3 ounces) PE = 5-digit - Machinable PQ = BMC - Machinable PR = Mixed BMC - Machinable PG = 5-digit – Non Machinable PK = 3-digit – Non Machinable P5 = ADC - Non Machinable P6 = Mixed ADC - Non Machinable Do not indicate barcode discount, just presort, in this field for Pkg Services/Parcels Please note (1): Use of the "00010101" non-value in any "Coding" Date field in the SEG may jeopardize rate eligibility
Barcode Discount Or Surcharge Indicator	37 - 37	1*	A/N	"Y" = Yes; "N" = No Value is set if "new" co-palletized piece; does not mean piece qualifies for rate B = Pays base rate (no surcharge or discount) D = Barcode discount (deducted from the base rate) S = Non-Barcode Surcharge (added to the base rate) I = Non-Barcoded DBMC-entered parcel (pays intra-BMC/ASF rate) O = Other, if not a parcel or Standard Mail NFM
Periodicals: Sub/ Non-Sub/ Requester Indicator	38 - 38	1*	A/N	S = Sub N = Non R = Requester O = Other
Periodicals: Not County/In County	39 - 39	1*	A/N	N = Not County I = In-County O = Other

CONTAINER QUANTITY RECORD, continued

Field Name	Positions	Length	Data Type	Description
Number of Copies	40 - 47	8*	N	
Number of Pieces	48 - 55	8*	N	
CQT Record Status	56 - 56	1*	A/N	O, D, I, U
Periodicals Co-Palletization Discount Indicator	57 - 57	1*	A/N	"Y" = Yes; "N" = No Value is set if "new" co-palletized piece; does not mean piece qualifies for rate
Exp Per HE,HW, SC Pub - Origin Delivery Zone	58 - 58	1	N	
Exp Per HE,HW, SC Pub - Origin 3-Digit Zip	59 - 61	3	N	3-Digit where Verification occurs
ZAP Agent Code	62 - 65	4	N	Code is the same as the Header History Sequence Number generated by the agent who most recently Zoned this container
Container Charge Allocation	66 - 70	5	N	9v9999 - proportion, rounded, (decimal point implied)
Reserve	71 - 89	19	A/N	
Closing Character	90 - 90	1*		Must be "#" sign

PACKAGE QUANTITY RECORD - .pqt

Field Name		Positions		Length	Data Type	Description
Job ID	1 - 8	8*k	A/N	In the case of mail where each piece is a package by itself (as with parcels), then each PQT record should have a unique Package ID (within the container) and there should be one PQT record for each piece. In the case of unpackaged mail (such as letters in certain trays), then all the PQT records for the container must have the same Package ID. (zero fill prior to numeric, if numeric only)		
CQT Database ID	9 - 16	8*k	N	However, to have required USPS "group" information to support proper documentation for the described mail, a separate Package ID must be used for each 3-digit or 3-digit scheme "group" within an AADC tray, for each AADC group in a mixed-AADC tray, and for each 3-digit or 3-digit scheme "group" within an Origin MxADC sack. The associated Package Level and Package ZIP Code will be used to identify these "groups" as if they were physical packages. This Mail.dat® convention creates appearance of physical package; however, the fact that pieces do not need to be physically packaged may be derived from Tray Preparation Type in the corresponding CSM. (zero fill prior to numeric)		
Package ID		17 - 22		6*k	A/N	(zero fill prior to numeric, if numeric only)
Package Zip Code		23 - 28		6 *	A/N	US = 99999_, or 888___ CAN = A1A9Z9 Default for containers with no ZIP or Postal Code: CANADA = if Canadian AOFRGN = if all other foreign MEXICO = if for Mexico USA = if for U.S. Domestic *International: (ex: FRCDGA = FR CDG A)*
Package Carrier Route		29 - 32		4	A/N	example: C999 or 9999
Package Level		33 - 33		1*	A/N	See Below
	Canadian, Foreign, Alternate Delivery: 1 = Urban Direct 6 = FCP 2 = Rural Direct 7 = Residual 3 = Station 8 = Foreign 4 = City X = Alt Del - CR 5 = DCF Y = Alt Del - Bas			A = Firm B = Carrier Route C = 5 Digit D = Unique 3-Digit E = reserve F = 3 Digit	G = reserve H = ADC I = AADC J = reserve K = Origin MxADC L = MxADC	M = MxAADC N = reserve O = Working P = reserve Q = reserve R = Parcel	S = Multi-pc Parcel T = 3-D Scheme U = 5-D Scheme + L007 V = BMC W = 5-Digit Super Scheme
Package Barcode		34 - 53		20	A/N	Left justify. If not specified, then leave field blank. If specified, all records for a Package ID must have the same value.
Number of Copies		54 - 57		4 *	N	
Number of Pieces		58 - 61		4 *	N	Note: First record within Firm Package has Piece Count = 1 subsequent records within same Package = 0
Package Status		62 - 62		1	A/N	"Blank" = Not Cancelled C = Cancelled
PQT Record Status		63 - 63		1*	A/N	O, D, I, U

PACKAGE QUANTITY RECORD,
Continued

Field Name	Positions	Length	Data Type	Description
Bundle Charge Allocation	64 - 68	5	N	9v9999 - proportion, rounded, (decimal point implied)
Reserve	69 - 81	13	A/N	
Closing Character	82 - 82	1*		Must be "#" sign

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WALK SEQUENCE RECORD - .wsr

Field Name	Positions	Length	Data Type	Description
Job ID	1 - 8	8* k	A/N	(zero fill prior to numeric, if numeric only)
Segment ID	9 -12	4*k	A/N	(zero fill prior to numeric, if numeric only)
Package Zip Code	13 - 18	6*k	A/N	US = 99999_, or 888___ CAN = A1A9Z9 Default for containers with no ZIP or Postal Code: CANADA = if Canadian AOFRGN = if all other foreign MEXICO = if for Mexico USA = if for U.S. Domestic *International: (ex: FRCDGA = FR CDG A)*
Package CR Number	19 - 22	4*k	A/N	example: C999 or 9999
Co-Palletization Code	23 - 24	2* k	A/N	If no Co-Palletization is occurring, the populate field with "01"
Walk Sequence Type	25 - 25	1*	A/N	T = Total R = Residential
Walk Sequence Stops	26 - 29	4*	N	Walk Sequence Stops for this Carrier Route
Walk Sequence Denominator	30 - 33	4*	N	Target (Total or Residential) of WS Circulation
Walk Sequence Database Date	34 - 41	8*	N	YYYYMMDD (can not be all zeros)
WSR Record Status	42 - 42	1*	A/N	O, D, I, U
Reserve	43 - 49	7	A/N	
Closing Character	50 - 50	1*		Must be "#" sign

SEED NAME RECORD - .snr

Field Name	Positions	Length	Data Type	Description
Job ID	1 - 8	8*k	A/N	(zero fill prior to numeric, if numeric only)
Container ID	9 - 14	6*k	N	(zero fill prior to numeric)
Package ID	15 - 20	6*k	A/N	(zero fill prior to numeric, if numeric only)
Mail Piece Unit ID	21 - 25	5*k	A/N	Left justify. Must have some value, even if single edition (zero fill prior to numeric, if numeric only)
Seed Name ID	26 - 45	20*k	A/N	(zero fill prior to numeric, if numeric only)
Version Key Code	46 - 65	20*k	A/N	derived from original seed information
Seed Name Received Date	66 - 73	8	N	YYYYMMDD (can not be all zeros)
Seed Type	74 - 74	1*	A/N	C = Standard Confirm, S = Smart Confirm, R = Traditional Response Seed, B = Both "R" + "C"
Piece Barcode	75 - 85	11	A/N	Left justify. 5-Digit, 9-Digit, 11-Digit PostNet barcode numeric. If specifying a 5-digit or 9-digit barcode, then leave the rest of the field blank.
SNR Record Status	86 - 86	1*	A/N	O, D, I, U
Reported Seed Condition	87 - 87	1	A/N	M = Mint , G = Good , F = Fair , P = Poor
Piece 4-State Barcode / Planet Code	88 - 118	31	A/N	Left Justify, if Planet Code. This field should not be used to specify a PostNet Barcode alone; use the Piece Barcode field to do so.
Reserve	119 - 157	39	A/N	
Closing Character	158 - 158	1*		Must be "#" sign

PACKAGE LABEL RECORD - .plr

Field Name	Positions	Length	Data Type	Description
Job ID	1 - 8	8 *k	A/N	(zero fill prior to numeric, if numeric only) Generally, this record is only used for Canada Post mailings
Container ID	9 - 14	6 *k	N	(zero fill prior to numeric)
Package ID	15 - 20	6 *k	A/N	(zero fill prior to numeric, if numeric only)
City Name	21 - 48	28*	A/N	
Province Code	49 - 50	2*	A/N	
Postal Code	51 - 56	6	A/N	As necessary for Directs
PLR Record Status	57 - 57	1*	A/N	O, D, I, U
Reserve	58 - 67	10	A/N	
Closing Character	68 - 68	1*		Must be "#" sign

IJ / C RELATIONSHIP RECORD - .icr				
Field Name	Positions	Length	Data Type	Description
Job ID	1 - 8	8*k	A/N	(zero fill prior to numeric, if numeric only)
File Name	9 - 38	30*	A/N	
Tape ID	39 - 44	6*	A/N	(zero fill prior to numeric, if numeric only)
Container ID	45 - 50	6*k	N	(zero fill prior to numeric)
Beginning Record	51 - 58	8	N	(zero fill prior to numeric)
Ending Record	59 - 66	8	N	(zero fill prior to numeric)
ICR Record Status	67 - 67	1*	A/N	O, D, I, U
Reserve	68 - 81	14	A/N	
Closing Character	82 - 82	1*		Must be "#" sign

PIECE DETAIL RECORD - .pdr

Field Name	Position	Length	Data Type	Descriptions
Job ID	1 - 8	8*k	A/N	(zero fill prior to numeric, if numeric only)
CQT Database ID	9 - 16	8*k	N	(zero fill prior to numeric)
Package ID	17 - 22	6*k	A/N	(zero fill prior to numeric, if numeric only)
Piece ID	23 - 44	22*k	A/N	(zero fill prior to numeric, if numeric only)
Piece Barcode	45 - 55	11	A/N	Left Justify; numeric values of the applicable 5-Digit, 9-Digit, or 11-Digit Barcode for the specific piece If specifying a 5-digit or 9-digit barcode, then leave the rest of the field blank.
Line-Of-Travel Sequence Number	56 - 59	4	N	
Line-Of-Travel Seq. Direction Code	60 - 60	1	A/N	
Walk Sequence Number	61 - 65	5	N	
"Wasted Piece" Indicator	66 - 66	1	A/N	"Y" = piece NOT produced; "blank" for all else
Delivery Signature Confirmation ID	67 - 88	22	A/N	
Piece 4-State Barcode / Planet Code	89 - 119	31	A/N	Left Justify, if Planet Code. This field should not be used to specify PostNet Barcode alone; use the Piece Barcode field to do so.
PDR Record Status	120 - 120	1*	A/N	O, D, I, U
MLOCR Rate and Postage Marking	121 – 127	7	A/N	MLOCR rate and postage marking field as applied by MLOCR equipment. See Definition for further details.
Machine ID	128 - 131	4	A/N	Machine ID at the Mailers location
Mailer ID of Mail Owner	132 - 140	9	N	USPS assigned Mailer ID (MID).
Mailer ID of Barcode Applicator	141 - 149	9	N	USPS assigned Mailer ID (MID)

PIECE DETAIL RECORD, CONTINUED				
Field Name	Positions	Length	Data Type	Description
Move Update Method	150 - 150	1**	N	0 = None 1 = ACS 2 = NCOA Link 3 = FAST Forward 4 = Mailer Move Update Process Certification (99% Rule) 5 = Ancillary Service Endorsements
Reserve	151 - 159	9	A/N	
Closing Character	160 - 160	1*		Must be "#" sign

SPECIAL FEES/CHARGES RECORD - .sfr				
Field Name	Positions	Length	Data Type	Description
Job ID	1 - 8	8*k	A/N	(zero fill prior to numeric, if numeric only)
Container ID	9 - 14	6*k	N	(zero fill prior to numeric)
Piece ID	15 - 36	22*k	A/N	(zero fill prior to numeric, if numeric only)
Service Type	37 - 38	2*k	A/N	Can Not be "A" (= Base Postage); for eligible list, see Definitions Section
Service "Stated Value"	39 - 48	10	N	99999999v99; dollars/cents, rounded (decimal implied)
Service Fee	49 - 55	7*	N	99999v99; dollars/cents, rounded (decimal implied)
Special Fees/Charges Services ID	56 - 77	22*	A/N	(zero fill prior to numeric, if numeric only)
SFR Record Status	78 - 78	1*	A/N	O, D, I, U
Reserve	79 - 91	13	A/N	
Closing Character	92 - 92	1*		Must be "#" sign

MANIFEST INDIVIDUAL RECORD - .mir

Field Name	Position	Length	Data Type	Descriptions
## -- If this record is part of a Mail.dat® file set which includes MPU records, then the following fields MUST be left blank.				
Job ID	1 - 8	8 *k	A/N	(zero fill prior to numeric, if numeric only)
Container ID	9 - 14	6 *k	N	(zero fill prior to numeric)
Piece ID	15 - 36	22*k	A/N	(zero fill prior to numeric, if numeric only)
MPU ID	37 - 41	5	A/N	(zero fill prior to numeric, if numeric only)
Piece Barcode	42 - 52	11	A/N	Left justify; (99999_) If specifying a 5-digit or 9-digit barcode, then leave the rest of the field blank.
Piece Zone	53 - 53	1	A/N	
Piece Destination Entry	54 - 54	1	A/N	(See previous - CQT)
Package Level	55 - 55	1	A/N	(See previous - PQT)
Package Zip Code	56 - 61	6	A/N	(See previous - PQT)
Piece Carrier Route Code	62 - 65	4	A/N	Ex: C001
Piece Weight	66 - 71	6	N	## 999v999; pounds (rounded), decimal implied
Postage Class	72 - 72	1	A/N	## (See previous - MPU)
Processing Category	73 - 74	2	A/N	## (See previous - MPU)
Rate Type	75 - 75	1	A/N	## (See previous - MPU)
Rate Category	76 - 77	2*	A/N	(See previous - CQT)
Piece Postage	78 - 84	7**	N	9999v111; dollars, rounded, decimal implied. See Definition for further details.

MANIFEST INDIVIDUAL RECORD, continued

Field Name	Position	Length	Data Type	Descriptions
Barcode Discount Or Surcharge Indicator	85 - 85	1	A/N	(See previous - CQT)
Parcel Rate Adjustment	86 - 86	1*	A/N	Y = Yes, N = No, O = Other
"Wasted Piece" Indicator	87 - 87	1	A/N	Y = piece NOT produced; "blank" for all else
Delivery Signature Confirmation ID	88 - 109	22	A/N	
Line-Of-Travel Sequence Number	110 - 113	4	N	
Line-Of-Travel Seq. Direction Code	114 - 114	1	A/N	
Walk Sequence Number	115 - 119	5	N	
Piece Length	120 - 126	7	N	## 999v9999; inches, rounded (decimal point implied)
Piece Width	127 - 132	6	N	## 99v9999; inches, rounded (decimal point implied)
Piece Thickness	133 - 138	6	N	## 99v9999; inches, rounded (decimal point implied)
Piece 4-State Barcode / Planet Code	139 - 169	31	A/N	Left Justify, if Planet Code. This field not to be used to specify PostNet Barcode alone; use the Piece Barcode field.
Primary Payer MPA ID	170 - 179	10*	A/N	
Secondary Payer MPA ID	180 - 189	10	A/N	
Surcharge	190 - 190	1	A/N	## (see previous - MPU)
Pre-denominated Amount	191 - 195	5	N	## (see previous - MPU)
Postage Affixed Type	196 - 196	1	A/N	## (see previous - MPU)
Weight Source	197 - 197	1	A/N	## (see previous - MPU)
Weight Status	198 - 198	1	A/N	## (see previous - MPU)
Package ID	199 - 204	6	A/N	(see previous - PQT)
MIR Record Status	205 - 205	1*	A/N	O, D, I, U

MANIFEST INDIVIDUAL RECORD, continued				
Field Name	Position	Length	Data Type	Descriptions
Reserve	206 - 245	40		
Closing Character	246 - 246	1*		Must be "#" sign

MANIFEST SUMMARY RECORD - .msr

Field Name	Position	Length	Data Type	Descriptions
Job ID	1 - 8	8 *k	A/N	(zero fill prior to numeric, if numeric only)
Segment ID	9 - 12	4 *k	A/N	(zero fill prior to numeric, if numeric only)
Pallet/Cage Type	13 - 13	1 *k	A/N	P = Pallet; C = Cage; N = Not Applicable
Pallet/Cage ID	14 - 18	5 *k	A/N	(zero fill prior to numeric, if numeric only) "XXXXX" = No Pallet, No Cage (only if prior byte = "N")
Pallet/Cage CIN Code	19 - 21	3	N	
Tray/Sack Type	22 - 22	1 *k	A/N	O = One Ft Tray; T = Two Ft Tray; E = EMM; F = Flat Tub; S = Sack
Tray/Sack ID	23 - 28	6 *k	A/N	(zero fill prior to numeric, if numeric only)
Tray/Sack CIN Code	29 - 31	3 *	N	
Piece Range-Set CIN Code	32 - 34	3 *	N	
Piece Range-Set Zip Code	35 - 39	5 *	A/N	Five Digit of first piece in Range-Set
Piece Range-Set CR	40 - 43	4	A/N	
Piece Range-Set Zone	44 - 44	1	A/N	
Piece Range-Set Postage	45 - 51	7 *	N	9999v999 dollars (decimal implied)
Piece Range-Set Weight	52 - 57	6 *	N	999v999 pounds (decimal implied)
Piece Range-Set Physical Space	58 - 63	6 *	N	999v999 inches (decimal point implied)
Piece Range-Set First Sequence Number	64 - 70	7 *	N	
Piece Range-Set Count	71 - 73	3 *	N	
Piece Range-Set One Ounce Qty	74 - 76	3	N	

MANIFEST SUMMARY RECORD, continued

Field Name	Position	Length	Data Type	Descriptions
Piece Range-Set Two Ounce Qty	77 - 79	3	N	
Piece Range-Set Three Ounce Qty	80 - 82	3	N	
Piece Range-Set Four Ounce Qty	83 - 85	3	N	
Piece Range-Set Five Ounce Qty	86 - 88	3	N	
Piece Range-Set Six Ounce Qty	89 - 91	3	N	
Piece Range-Set Seven Ounce Qty	92 - 94	3	N	
Piece Range-Set Eight Ounce Qty	95 - 97	3	N	
Piece Range-Set Nine Ounce Qty	98 - 100	3	N	
Piece Range-Set Ten Ounce Qty	101 - 103	3	N	
Piece Range-Set Eleven Ounce Qty	104 - 106	3	N	
Piece Range-Set Twelve Ounce Qty	107 - 109	3	N	
Piece Range-Set Thirteen Ounce Qty	110 - 112	3	N	
Waste Quantity	113 - 115	3	N	
MPA - Unique Sequence/Grouping ID	116 - 125	10	A/N	
MSR Record Status	126 - 126	1*	A/N	O, D, I, U
Reserve	127 - 143	17	A/N	
Closing Character	144 - 144	1*		Must be "#" sign

POSTAGE ADJUSTMENT RECORD - .par				
Field Name	Position	Length	Data Type	Descriptions
Job ID	1 - 8	8 *k	A/N	(zero fill prior to numeric, if numeric only)
Segment ID	9 - 12	4 *k	A/N	(zero fill prior to numeric, if numeric only)
Mail Piece Unit ID	13 - 17	5 *k	A/N	(zero fill prior to numeric, if numeric only)
Component ID	18 - 25	8 *k	A/N	(zero fill prior to numeric, if numeric only)
Sequence Number	26 - 28	3 *k	N	
Date	29 - 36	8 *	N	YYYYMMDD
Adjustment Type	37 - 38	2 *	N	1 = Re-Order in excess of tolerance, 3 = Spoilage, 2 = "Average Remail" Add-on, 4 = Shortage
Adjustment Amount	39 - 47	9 *	N	999999v111; dollars, decimal implied
Credit/Debit Indicator	48 - 48	1 *	A/N	C = Credit; D = Debit
Total Pieces Affected	49 - 56	8	N	("0" [zero] is a permitted value)
User Comments	57 - 75	19	A/N	
PAR Record Status	76 - 76	1*	A/N	O, D, I, U
Adjustment Status	77 - 77	1	A/N	Blank = Not Closed; R = Ready To Pay; X = Paid; C = Cancel P = Preliminary Postage Statement T = Transportation Information Update, if after "R"
MPA - Unique Sequence/Grouping ID	78 - 87	10*	A/N	
Reserve	88 - 149	62	A/N	
Closing Character	150 - 150	1*		Must be "#" sign

INFORMATION ACCESS KEY FILE - .iak				
Field Name	Position	Length	Data Type	Descriptions
Job ID	1 - 8	8 *k	A/N	Job ID as given by originator of this file. (Zero fill prior to the numeric, if numeric only)
Segment ID	9 - 12	4*k	A/N	(zero fill prior to numeric, if numeric only)
Mail Piece Unit ID	13 - 17	5*k	A/N	(zero fill prior to numeric, if numeric only)
Component ID	18 - 25	8*k	A/N	(zero fill prior to numeric, if numeric only)
Information Access ID	26 - 33	8*k	A/N	(zero fill prior to numeric, if numeric only), allows multiple similar roles per MCR record
Mail Owner	34 – 43	10	N	USPS assigned CRID
Mail Preparer	44 - 53	10	N	USPS assigned CRID
Mail Scheduler	54 - 63	10	N	USPS assigned CRID
Mail Consolidator	64 - 73	10	N	USPS assigned CRID
Mail Logistics	74 - 83	10	N	USPS assigned CRID
IAK Record Status	84 – 84	1*	A/N	O, D, I, U
Reserve	85 - 99	15	A/N	
Closing Character	100 - 100	1*		Must be "#" sign

Mail.dat® - Field Definitions

Each of the record layouts in the preceding section provided the Field Name, Position, Length, Data Type and Brief Description. In most instances this will provide the Mail.dat® users enough information to understand the field's data usage. However, there are instances where the purpose of the field and/or the variety of label values to be used for a field will require a more thorough explanation. This section provides that extra level of detail. Field Code IDs are for conformance evaluation tools to use in identification of field(s) noted as problematic. Any definitions in Italics (*International*,,,,,,,) are applicable to the (ICL) International Container Label Record.

HEADER RECORD

Field Name	Field Code ID /	Definition
Job ID	HDR-1001	Job ID as given by originator of this file. This is non-significant, other than as distinction from other jobs; therefore, not necessarily the same as the originator's Job Number. A Job ID (the Mail.dat® serial number) should be unique compared to all other supplied Job IDs provided by the same source. The Job ID assigned to any new Mail.dat® is also to be applied to any Historical Header Record part of that transmission; it is the Historical Job ID that retains the initial ID throughout its existence. (Zero fill prior to the numeric, if numeric only)
IDEAlliance Version	HDR-1101	"08-1"
Header History Sequence Number	HDR-1025	First Header created with initial iteration of this Mail.dat® = "9999", next iteration of this Mail.dat® as it is successively processed would have a Header with a History Sequence number = "9998", etc. Current Active Header would be next in the series, hence the record with the lowest History Sequence value. Header History Status field (see next) also denotes current active header.
Header History Status	HDR-1148	C = Current (this .hdr record is applicable to current transmission) H = History (this .hdr record predates and is associated with, but not specifically applicable to, current Mail.dat® transmission) All .HDR records received for a specific Mail.dat® must be forwarded with that Mail.dat, or portion thereof, if such transmission occurs. As applicable, the received Header is updated by the Mail.dat® processor with an "H" in this field as it is passed along with the new Current Active Header to next recipient.
Historical Job ID	HDR-1153	Populated with the applicable Job ID by party creating the "currently active" Header. Successive processors do not disturb this field. Successive processors will only change the Header History Status field in this record from "C" to "H". (zero fill prior to numeric, if numeric only)
Licensed User's Job Number	HDR-1102	The Licensed User's (who created this iteration of Mail.dat) internal Job Number
Job Name/Title & Issue	HDR-1103	Applicable Job, Title-Issue, Campaign Name, or description

HEADER RECORD, continued

Field Name	Field Code ID / Definition	
File Source	HDR-1104	Name of the originator supplying the files
User License Code	HDR-1105	ULC of party creating this iteration of Mail.dat. Must begin with an alpha, must be four characters, must have no spaces, must have no special characters, must not be case sensitive
Contact Name	HDR-1106	Name of individual for contact support at originator of this file
Contact Telephone Number	HDR-1107	Phone of individual listed in Contact Name (ex: 9999999999)
Date Prepared	HDR-1108	Date originator transmitted this file (format: YYYYMMDD)
Time Prepared	HDR-1109	Time of Day originator transmitted this file (ex 19:34)
Segmenting Criteria	HDR-1110	Describe String, List, Production Unit Characteristics
Segment Record Count	HDR-1111	The number of Segment records in this Mail.dat. Transmitting multiple Segments within one Mail.dat® is an expected behavior within this specification
Segment File Status	HDR-1112	O = Original, D = Delete Entire File, R = Replace Entire File, N = None Transmitted C = Change Individual Records, U = Update (only) individual records. In this field, and all following Status fields, "O", "D", "R", and "N" describe action upon an entire file. "C" and "U" indicate that only individual records are modified.
Mail Piece Unit Record Count	HDR-1113	The number of Mail Piece Unit records in this Mail.dat
Mail Piece Unit File Status	HDR-1114	O, D, R, N, C, U.
MPU/Comp Relationship Record Count	HDR-1115	The number of MPU / C Relationship records in this Mail.dat
MPU/Comp Relationship File Status	HDR-1116	O, D, R, N, C, U.
Mailer Postage Account Record Count	HDR-1158	The number of Mailer's Postage Account records in this Mail.dat
Mailer Postage Account File Status	HDR-1159	O, D, R, N, C, U.
Component Record Count	HDR-1118	The number of Component records in this Mail.dat
Component File Status	HDR-1119	O, D, R, N, C, U.
Container Summary Record Count	HDR-1120	The number of Container Summary records in this Mail.dat
Container Summary File Status	HDR-1121	O, D, R, N, C, U.
International Container Label Count	HDR-1124	The number of International Container Label records in this Mail.dat
International Container Label Status	HDR-1125	O, D, R, N, C, U.

HEADER RECORD, continued

Field Name	Field Code ID / Definition	
Container Quantity Record Count	HDR-1126	The number of Container Quantity records in this Mail.dat
International Container Label Count	HDR-1124	The number of International Container Label records in this Mail.dat
International Container Label Status	HDR-1125	O, D, R, N, C, U.
Container Quantity Record Count	HDR-1126	The number of Container Quantity records in this Mail.dat
Container Quantity File Status	HDR-1127	O, D, R, N, C, U.
Package Quantity Record Count	HDR-1128	The number of Package Quantity records in this Mail.dat
Package Quantity File Status	HDR-1129	O, D, R, N, C, U.
Walk Sequence Record Count	HDR-1130	The number of Walk Sequence records in this Mail.dat
Walk Sequence File Status	HDR-1131	O, D, R, N, C, U.
Seed Name Record Count	HDR-1132	The number of Seed Name records in this Mail.dat
Seed Name File Status	HDR-1133	O, D, R, N, C, U.
Package Label Record Count	HDR-1134	The number of Package Label records in this Mail.dat
Package Label File Status	HDR-1135	O, D, R, N, C, U.
IJ / C Relationship Record Count	HDR-1136	The number of Ink Jet/Container Relationship records in this Mail.dat
IJ / C Relationship File Status	HDR-1137	O, D, R, N, C, U.
Piece Detail Record Count	HDR-1138	The number of Piece Detail records in this Mail.dat
Piece Detail File Status	HDR-1139	O, D, R, N, C, U.
Special Fees/Charges Record Count	HDR-1140	The number of Special Fees/Charges records in this Mail.dat
Special Fees/Charges File Status	HDR-1141	O, D, R, N, C, U.
Manifest Individual Record Count	HDR-1142	The number of Manifest Individual records in this Mail.dat
Manifest Individual File Status	HDR-1143	O, D, R, N, C, U.
Manifest Summary Record Count	HDR-1144	The number of Manifest Summary records in this Mail.dat
Manifest Summary File Status	HDR-1145	O, D, R, N, C, U.
Postage Adjustment Record Count	HDR-1146	The number of Postage Adjustment records in this Mail.dat

HEADER RECORD, continued

Field Name	Field Code ID / Definition	
Postage Adjustment File Status	HDR-1147	O, D, R, N, C, U.
Information Access Key Record Count	HDR-1163	The number of Information Access Key records in this Mail.dat
Information Access Key File Status	HDR-1164	O, D, R, N, C, U
Deleted	HDR-1165	Deleted and merged with user Options
Deleted	HDR-1166	Deleted and merged with user Options
Mail.dat® Presentation Category	HDR-1154	P = Conventional Presort; I = Manifest Individual; M = MLOCR; S = Manifest Summary; N = Single Piece
Mail.dat® Software Vendor Name	HDR-1150	Name of author of software creating the Mail.dat® as appended to this respective .hdr record. This may be the name of the transmitting agent, if they wrote their own proprietary "home-grown" software.
Mail.dat® Software Version	HDR-1151	Version of the software creating the transmitted Mail.dat
Mail.dat® Software Product's Name	HDR-1155	Name of product creating this Header and applicable data in associated records
Mail.dat® Software Vendor's Email	HDR-1156	Email address of party who created product named above
Licensed User's Email	HDR-1157	Email address of party who created this iteration of Mail.dat
Zone Matrix Date	HDR-1160	YYYYMMDD (can not be all zeros)
Event Manager Audit Code	HDR-1161	(Canadian Only)
Software Vendor's ZAP Option	HDR-1162	Vendor's USPS ZAP Certification Level
User Option	HDR-1152	Available for custom data for unique user application
Closing Character	HDR-9999	Must be a "#" sign

SEGMENT RECORD

Field Name	Field Code ID / Definition	
Job ID	SEG-1001	(see previous - HDR)
Segment ID	SEG-1002	A Segment is a mailing facility production run within a job. Therefore, the Segment ID is a code representing a version, string, list, etc. (Zero fill prior to numeric, if numeric only.) In the event of multiple presorts supplied under common Job ID, the Segment ID must differentiate each subordinate presort from the others. In general, the fewer the segments within 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. For instance, a portion of a mailing might need to have an invoice attached in an off-line operation, or the bulk copies of a Periodical might need to be prepared in cartons. Another example might be different versions of a catalog, which cannot be produced, in a selective binding process. In such cases, individual segments could be appropriate. 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. A good example of proper Segmentation would be one segment for domestic mail and one segment for USPS International, not a separate Segment for each entry point.
Segment Description	SEG-1101	Describe string, list, mail-stream characteristics which this particular set of names exhibits. Example for a single list Segment: Spring - Remail, prospects, $10 Off Example of a selective bind Segment: Spring - Remail, all versions
Class Defining Preparation	SEG-1102	This is the USPS Class that will define preparation criteria as well as postage rates for pieces within this Mail.dat. Although generally obvious, this needs to be specified especially for such instances as: Periodicals with Standard Mail Enclosure and Periodicals with First Class Enclosure. 1 = First Class; 4 = Package Services; V = Value Post; T = AdMail 2 = Periodicals; 6 = Standard/Periodicals Co-Mailing; P = Publication Rate 3 = Std Mail; 9 = Other; X = Alt Del *Int'l* *A = Airmail*; *B = SAL/ISAL*; *C = Surface*; *D = Priority* *Note: USPS Appointment Scheduling System, FAST, will translate* 6 = Standard/Periodicals Co-Mailing to 3 = Std Mail
Principal Processing Category	SEG-1103	This label describes the physical processing category for which the mail piece is eligible. LT = Letter; MP = Machinable Parcel; PF = Parcel, First Class FL = Flat; IR = Irregular Parcel; MM = Manifest; Multiple Categories

Field Name	Field Code ID / Definition
	CD = Card OS = Outside Parcel CM = Custom Mail NA = NFM with pc weights < 6 oz NB = NFM with pc weights ≥ 6 oz NP = Non Machinable Parcels *Int'l: UA = Letters-AO, UL = Letters-LC, UM = Letters-M, UR = Register Dispatch*
Standard Mail Sacking Criteria	SEG-1104 / SEG-1105 / SEG-1106 Either 125 pieces or 15 pounds is to be the minimum for CR, 3/5 or Basic sacking in Standard Mail (A). Both would be used if a selective bind mailing has non-identical pieces produced in which some piece weights need the 125 piece basis and others need the 15 pound basis; therefore, the mailing's presort would be gauged by using 125 piece or the 15 pounds as suited the mix of pieces in each sack prepared. The following values may be used in any of the three applicable fields. Criteria: CO = Count CF = Weight CB = Both
Package Service Sacking Criteria	SEG-1104 / SEG-1105 / SEG-1106 Either piece count or 20 pounds is the minimum for sacking in Package Services. A combination of the two may be used if a mailing has non-identical pieces produced within which respective pieces are sorted based upon the differing criteria The following values may be used in any of the three applicable fields. Criteria: PC = Piece Count, TP = Weight, PT = Piece Count & 20 Pounds
Substituted Container Prep	SEG-1110 This field notes if, for production reasons, an alternate container is used for the preparation and submission of the mailing; such as, sacking an automated Letter. (See Scenario) S = Sacks substituted for trays T = Trays substituted for sacks
Periodicals Newspaper Treatment	SEG-1111 This field notes if the Periodicals publication is eligible for "Newspaper" handling. Y = Yes N = No
Logical/Physical Container Indicator	SEG-1112 This field indicates whether the Container record within the Mail.dat® presents logical or physical containers. A logical container would be one record representing the 1080 pieces that are all going to the same Five Digit. If presented as physical containers, those same 1080 pieces might be presented as five records; representing 250, 250, 250, 250 and 80 pieces, respectively. A Logical Container will likely only be reported by Barcode Sorting Presort Facilities that do not document actual containers. This field is required. L = Logical Package P = Physical Package

Field Name	Field Code ID / Definition	
Logical/Physical Package Indicator	SEG-1113	This field indicates whether the package record within the Mail.dat® presents logical or physical packages. A logical package would be one record representing the 108 pieces that are all going to the same carrier route. If presented as physical packages those same 108 pieces might be presented as five records; representing 25, 25, 25, 17 and 16 pieces, respectively. This field is required, and must be completed even if the Package Quantity records are not being transmitted for the particular Mail.dat. L = Logical Package P = Physical Package
Reserve	SEG-1114	DELETED and merged with reserve at the end of the file.
Production Set-up Code	SEG-1115	User field for transmitting mailing facility set-up codes
LOT Database Date	SEG-1116	The date of the LOT database. This field only to be populated if LOT step done in presort step. "00010101" will be the "non-value" if no date available. Use of the non-value may jeopardize rate eligibility
Sibling Container Mailing	SEG-1117	Y = Yes, Blank = Other. (Please see Scenario)
Verification Facility Name	SEG-1118	Name of Mailing Facility where verification occurs
Verification Facility ZIP+4	SEG-1119	ZIP+4 of Mailing Facility where verification occurs
Confirm Indicator	SEG-1120	S = Static, N = Variable in SNR, P = Variable in PDR, R = Variable in MIR
Static Planet Code	SEG-1121	Left justify, space added. Only to be populated if "S" in Confirm Indicator field Only to be populated if an "S" in Confirm Indicator field. If specifying an 11-digit barcode, then leave the last 2 bytes blank. Mailers who create IM™ barcodes for Service Performance Measurement using OneCode Confirm™ can use the 15 byte field to denote Mailer ID + Serial Number combination for tracking purposes. If not specified, then leave entire field blank. EMD, the sole purpose of this field, only requires 15 bytes numeric, not including the Check Digit..
L.O.T. Direction Indicator	SEG-1122	F = Forward R = Reverse
Barcode Verifier Indicator	SEG-1123	Y = Yes N = No (MLOCR indicator)
SEG Record Status	SEG-2000	O = Original, D = Delete record, if same Keys, I = Insert record, if not match previous Keys, U = Update with this record, if match to Keys
User Option	SEG-1126	Deleted and merged with Reserve at the end.
Package Services Packaging Criteria	SEG-1128	PC = Piece PD = Pound CB = Both

SEGMENT RECORD, continued

Field Name	Field Code ID / Definition	
Automation Coding Date	SEG-1129	YYYYMMDD (can not be all zeros) "00010101" will be the "non-value" if no date available. Must have a valid date for automation and/or carrier route mail, otherwise populate with default value "00010101". Use of non-value may jeopardize rate eligibility.
Carrier Route Coding Date	SEG-1130	see previous field
Carrier Route Sequencing Date	SEG-1131	see previous field
EMD Barcode Indicator	SEG-1132	M = Mailing, S = Shipment, P = Package (See Scenario) Please note: an EMD extract will not be created by simply populating this field with "M", "S", or "P". For an EMD to be generated from a Mail.dat, certain requirements must be met. Please contact the USPS National Customer Support Center (NCSC) regarding Entry Information via email at entryinf@email.usps.gov for further information.
EMD Mailing-Generic Pkg Barcode	SEG-1133	Barcode that will be on all Pieces if EMD Barcode Indicator is "M" (barcode applicable for all pieces)
Move Update Date	SEG-1134	Oldest date on which any portion of the mail file represented by this Segment was updated in accord with Move Update policy (YYYYMMDD, can NOT be all zeros)
PDR Preparation Status	SEG-1135	F = Full P = Partial Indicates if, all (Full) records OR only a portion (Partial) of possible records, are represented within PDR file
Detached Address Label Indicator	SEG-1136	Y = Yes No, Not Applicable = Blank
Requested Presort Verification Completion Date	SEG-1137	YYYYMMDD – Periodicals enhancement
Requested Piece Weight Verification Completion Date	SEG-1138	YYYYMMDD – Periodicals enhancement
Mailing Agreement Type	SEG-1139	A = Alternate Mailing System, B = Optional Procedure, C = Manifest Mailing, D = Value Added, E = Combined Mail, F = Combined and Value Added
Mail Facility ID	SEG-1140	This USPS-assigned CRID (Customer Registration Id) id will be used by USPS to uniquely identify Mailer's Origin Facility where mail verification took place to route the electronic information for BMEU personnel

SEGMENT RECORD, continued

Field Name	Field Code ID / Definition	
Container and Bundle Charge Method	SEG-1141	This field identifies how to calculate periodical charges. 1 – Charge all to a 3rd party 2 – Charge all to one of the publications 3 – Proportion by copies to each of the publications 0 – no publications in the mailing
MPA ID for Container and Bundle Charge Method	SEG-1142	Note: This value should only be entered if the 'Container and Bundle Charge Method" is 1 or 2. (zero fill prior to numeric, if numeric only) Unique identifier for the respective MPA within an MPU. Establishes the set of MPU copies on one Postage Statement
Presentation Category	SEG-1143	This field is to be used for MLOCR processing. P = MLOCR/BCS One Pass Finalization Mailing - Planned; A = MLOCR/BCS One Pass Finalization Mailing – Actual ; Note (1): The need for this exists because: 1. There are two Qualification reports for the same mailing a. One for the planned mailing that is put together prior to running on MLOCR b. One for the actual mailing after it is run 2. Both Qual Reports will exist in PostalOne! and an indicator is needed to identify the two separately. Note (2): Some Presort Bureaus will only be able to produce the Actual file.
Seamless Acceptance Indicator	SEG-1144	Y = Yes and N = No. The Flag indicates if certain records under this segment require USPS Seamless Acceptance Service
Less Than a Presort Segment Presentation	SEG-1145	Y = Partial and N = Full Presort. Full or partial presort segment presentation
User Option Field	SEG- 1126	Added back as 8.1.0.3 errata. To be used by users as a text field.
Reserve	SEG-1127	
Closing Character	SEG-9999	Must be a "#" sign.

MAIL PIECE UNIT RECORD

Field Name	Field Code ID / Definition
Job ID	MPU-1001 (see previous - HDR)
Segment ID	MPU-1002 (see previous - SEG)
Mail Piece Unit ID	MPU-1003 This ID will be used by the computer controlled equipment at the mailing facility to manufacture the specific binding parts for this make-up within this particular mailing. Any Mail Piece Unit exists within a specific Segment. Therefore, Segment/MPU is mutually exclusive. MPU alone is not unique. (zero fill prior to numeric, if numeric only) Left justify, must have some value, even if single edition (zero fill prior to numeric, if numeric only)
Mail Piece Unit Name	MPU-1101 The name used to identify a specific marketing version within a list, bind and distribution environment. This name may be on-going as a description from issue to issue, as opposed to the job to job alpha and/or numeric Selective Bind Code that will control the binding machine. The Mail Piece Unit Name, more traditionally in Periodicals, may be a "meaningful" identifier; such as *S-S NW Metro*. Whether in Periodicals or other classes, the MPU Name field is a defined location where downstream users can find the MPU's meaningful Name for this job, regardless of the arbitrary MPU ID. If, as may often be the case in non-Periodical, there is no benefit derived from "special naming", then the Book Make-up Name can be the same as the MPU ID The MPU Name will be the source for mail owner's name on Postage Payment forms or their electronic equivalents. <u>Mail Piece Unit name -- suggested convention for carrying the identity of the base book</u> MPU Name Field:"Exxxxxxx_BRO" -- "E" (hard coded) stands for edition -- "xxxxxxx" (only as many as necessary) represents base book edition -- "_" (underline) separates edition & suffix -- "B"/"R"/"O" (solo or BO or RO) B = Bill, R = Renewal, O= Other H = Periodicals Ride-Along -- examples: "E9711COM_B" or "E1997S_O" or "E01_RO"
Mail Piece Unit Description	MPU-1102 This is a unique name or code for each specific version being created within this mailing. However, as a differentiation from the Mail Piece Unit Name, this may be a meaningful descriptor of a broader significance than just this mailing. Therefore, this field is an opportunity to have absolute, as well as of relative, information in this record. This offers information for enhanced quality assurance and reduced error. For example: A periodical has a "Metro Northwest Superspot" edition that is run every issue. Therefore, the Mail Piece Unit ID to drive the machine in the bindery might be "B" for one issue and "Q" a month later.

Field Name	Field Code ID / Definition				
	However, the Mail Piece Unit Name would always be "S-S NW Metro" and the Mail Piece Unit Description would always be "Metro Northwest Superspot" (continued next page)				
	A 3C campaign may not have repeating market target names; or they may. So, the Mail Piece Unit IDs for a mailing may be "A", "B", and "C". For that campaign, the MPU Descriptions may be "A", "B", and "C.", or the MPU Descriptions could be "RHF", "RHS", and "RHT", if those were meaningful codes carrying over from one job to another.				
	The originator of the Mail.dat® file, as agreed by receiving mailing facilities, can choose to the finest level of detail in the preceding two fields or simply clone that which is in the Mail Piece Unit ID field.				
Mail Piece Unit - Weight	MPU-1103	Weight of a copy 99v9999, pounds, rounded (decimal point implied)			
MPU Weight - Source	MPU-1104	Source of Piece Weight	A = Agent (real-time)	C = Calculated (USPS formula)	
			P = Postal (clerk)	L = Logical (implied from rate)	
MPU Weight - Status	MPU-1105	Status of weight data	N = None Given,	P = Pending,	F = Final
			M = Manifest Weight as function of Rate Interval (not actual)		
Mail Piece Unit - Length	MPU-1106	Length of a copy	999v9999, inches, rounded (decimal point implied)		
Mail Piece Unit - Width	MPU-1107	Width of a copy	99v9999, inches, rounded (decimal point implied)		
Mail Piece Unit - Thickness	MPU-1108	Thickness of a copy	99v9999, inches, rounded (decimal point implied)		
Mail Piece Unit - Periodical Ad %	MPU-1109	Ad percentage of a copy	999v99, rounded (decimal point implied)		
MPU Periodical Ad % - Status	MPU-1110	Status of % data	N = None Given,	P = Pending,	F = Final
Mail Piece Unit - Class	MPU-1111	The Postal Class of this Mail Piece Unit within Mail.dat.			
		1 = First Class	4 = Package Services	X = Alternate Delivery	
		2 = Periodicals	5 = Periodical Pending	P = Publication Rate	
		3 = Standard Mail	9 = Other	T = AdMail	V = Value Post
		Int'l A = Airmail	*B = SAL/ISAL*	*C = Surface*	*D = Priority*
Mail Piece Unit - Rate Type	MPU-1112	The special rate type that applies to this Mail Piece Unit			
		R = Regular (US, Can, Mex)	L = Library	C = Classroom	
		B = Bound Printed Matter	F = Media	T = Priority	X = Other
		A = Alternate Delivery	N = Nonprofit	P = Parcel Post	D = Parcel Select

Field Name	Field Code ID / Definition

S = Science of Agriculture E = Priority Mail Flat (fixed) - Rate Envelope G = Priority Mail Flat (fixed) – Rate Box
J = Priority Mail Flat – Large Box K = Priority Mail Flat – Large Box APO/FPO W = Science of Agriculture Limited Circulation
Y = Regular Limited Circulation

International: *1 = UA, (Letters – AO)* *2 = UL, (Letters – LC)* *3 = UM, (Letters – M)* *4 = UR (Letters- Registered)*

For those using a wider array of the USPS' International services, IDEAlliance has a list of additional Rate Types (such as Express Mail, Global Package Link and Parcel Post) and their corresponding Processing Categories.

Mail Piece Unit - Processing Category — MPU-1113

The processing category for which this Mail Piece Unit is eligible.

LT = Letter FL = Flat CD = Card
MP = Machinable Parcel IR = Irregular Parcel OS = Outside Parcel
PF = Parcel, First Class CM = Custom Mail NA = NFM with piece weight < 6oz
NB = NFM with piece weight ≥ 6 oz NP = Non Machinable Parcels

International:

(If Rate Type: UA)
AA = Regular Printed Matter
AC = Books & Sheet Music
AD = Publisher's Periodicals
AE = Pub Peridcls To Canada
AJ = ValuePost
AK = ISAL, Direct
AL = ISAL, Gateway
AM = ISAL, Regular

(If Rate Type: UL)
LA = Letters
LB = Cards
LC = Aerogrammes
LE = IPA - Direct Sack
LF = IPA - Country Bundles
LG = IPA - Non-sorted
LH = Letter Packets
LI = GPM - Flat Rate
LJ = GPM - Variable Rate
LK = GPM - Volume Rate
LL = Bulk Ltrs To Canada

(If Rate Type: UM)
AF - M Bag, Regular
AG = M Bag, Small Packets
AH = M Bag, Sml Pkts, Regis
AI = M Bag, ISAL
SF = M Bag, Regular
SG = M Bag, Small Packets
SH = M Bag, Sml Pkts, Registered

(If Rate Type: UR)
AB = Prtd Mttr, Regis.
LD = Letters, Regis.
LM = Ltr Pack, Regis.

For those using an array of USPS' International services, IDEAlliance has a list of additional Rate Types (such as Express Mail, Global Package Link and Parcel Post) and their Processing Categories.

Country — MPU-1114

The country of the postal system where this is to be entered. Left Justify; Space Added.
Country of the Postal System where the mailing is to be inducted.
US = USA CA = Canada MX = Mexico FOR = Foreign

Periodical Foreign Mail and *International* use ISO3166 standard; the 2 position alpha Country Code values as applicable for Periodical Foreign Mail and *International*; available from IDEAlliance.

Field Name	Field Code ID / Definition	
MPU Surcharge	MPU-1115	Surcharges applicable to the this MPU: N = Not Oversized, O = Single PC Non-Std Surcharge, P = Balloon Surcharge, Q = Residual Shape Surcharge, R = Non-Mach Surcharge, S = Presort Non-Std Surcharge, D = Dim Weight, 1 = Parcel > 84" ≤ 108" 2 = Parcel > 108" ≤ 130" Regarding Machinability; a single MPU will be used to describe the nature of the mail piece: - The MPU - Surcharge field to indicate overall nature of the pieces physical characteristics. - The CSM - Machinable Mail Piece field indicates surcharge as applicable to respective container and need for Machinable or Manual on respective container label. - Two MPUs (and associated CPTs) may be necessary to communicate a mailing, not just CPTs
Co-Palletization Code	MPU-1116	If no co-palletization is occurring, then populate field with "01" This is a link with the specific part of a Carrier Route sort group populated by this specific MPU. With co-palletization, this link represents the different packages contributing to the total carrier route. When co-palletizing, the Co-Palletization Codes are a representation of all of the MPUs within the included Job/Segments. The use of the Co-Palletization Code creates an efficient means to differentiate each of the possible job and sub-job entities within a co-palletization set-up.
Five Digit Scheme Database Date	MPU-1117	YYYYMMDD - The date on which the USPS file, used to code this MPU's addresses, was published.
Reserve	MPU-1118	MPU-1118 and 1119 have been deleted and combined as reserve into one field, 1118.
Sibling Container Mailing	MPU-1120	(see previous)
Confirm Subscriber ID	MPU-1122	Numeric code representing industry party engaged in Confirm program
MPU Record Status	MPU-2000	O = Original, D = Delete, I = Insert, U = Update
Flat Machinability	MPU-1123	Y = Machinable on ASFM 100 U = Machinable on USFM 1000 N = Not machinable Blank = not applicable: processing category is not a flat (FL)
Pre-Denominated Amount	MPU-1124	9999v9 cents (decimal implied)
Postage Affixed Type	MPU-1125	S = Stamp M = Meter
Prose XML Edition Code	MPU-1126	Edition Code of the Prose XML data that may have been integrated within the respective Mail.dat
Bulk Insurance	MPU-1127	Y = Yes N = No O = Other

MAIL PIECE UNIT RECORD, continued

Field Name	Field Code ID / Definition	
Reserve	MPU-1121	
Closing Character	MPU-9999	Must be a "#" sign.

MPU / C - RELATIONSHIP RECORD

The Mail Piece Unit / Component record is the table where the following is described:

- the relationship of any specific Component (constituent part) to all associated Mail Piece Units

- the relationship of any Mail Piece Unit to all associated Components

For example, a periodical has several actual binding signatures, but it may not be beneficial, and certainly is not required, to have a Component representing each of the 16, 24, etc page binding parts. However, it is necessary to define any Component whose characteristic differentiates it from the balance of the Mail Piece Unit regarding applicable postage rate. So, continuing our periodical example, it is required to define a Component, and it relationship to applicable MPUs, for the characteristics encompassing the First Class enclosure within the Periodical in question.

Field Name	Field Code ID /	Definition
Job ID	MCR-1001	(see previous - HDR)
Segment ID	MCR-1002	(see previous - SEG)
Mail Piece Unit ID	MCR-1003	(see previous - MPU)
Component ID	MCR-1004	This ID represents a specific sub-portion (or the whole, as appropriate) of one or more Mail Piece Unit Make-ups within the production of the specific mailing described by the supplied Mail.dat® file. The originator of the Mail.dat® file must identify any postage differentiating Components with their own record. However, if no postage affecting differentiation exists within the various parts making up a Mail Piece Unit, then the originator of the specific Mail.dat® may choose to, and probably should only, identify the necessary detail and simply clone that which is in the Mail Piece Unit ID field. Therefore, there will always be at least one Component within any Mail Piece Unit. Left justify must have some value, even if single edition. (zero fill prior to numeric, if numeric only)
MCR Record Status	MCR-2000	O = Original, D = Delete, I = Insert, U = Update
Primary MPA ID	MCR-1102	From MPA - Unique Sequence/Grouping ID
Additional Postage MPA ID	MCR-1103	From MPA - Unique Sequence/Grouping ID
Host Statement Component ID	MCR-1104	List Code (zero fill prior to numeric, if numeric only)
Host Indicator of Ad Computation	MCR-1105	Y = Yes N = No Blank = Not Applicable
Postage Adjustment MPA ID	MCR-1106	This field would be used by anyone (printers and lettershops) including MLOCR vendors requiring Postage Adjustments to be paid from a separate permit.

MPU/C RELATIONSHIP RECORD, continued

Field Name	Field Code ID /	Definition
(zero fill prior to numeric, if numeric only)		Unique identifier for the respective MPA within an MPU. Establishes the set of MPU pieces on one Postage Statement
Reserve	MCR-1101	
Closing Character	MCR-9999	Must be a "#" sign.

MAILER POSTAGE ACCOUNT RECORD

Field Name	Field Code ID /	Definition
Job ID	MPA-1001	(see previous - HDR)
MPA - Unique Sequence/Grouping ID	MPA-1002	(zero fill prior to numeric, if numeric only) Unique identifier for the respective MPA within an MPU. Establishes the set of MPU pieces to be on one Postage Statement
MPA - Description	MPA-1101	
USPS Publication Number	MPA-1102	Numeric only, zero padded, value in Postage Payment Method field negates need for alpha in this field. (Note: In the event of a Periodicals Pending, the Publication Number field will be blank and the below Permit Number field will be used). The field is A/N to allow padding with zeros.
Permit Number	MPA-1103	see "Note" in previous field
Permit City	MPA-1104	
Permit State	MPA-1105	
Permit ZIP+4	MPA-1106	(ex: 543219876 or A1A1A1___) (*International*: left justify, blank pad: 54321----)
Mail Owner's Local Permit Reference Number / International Billing Number	MPA-1107	Number used by local USPS for client identification. This field can be used to let the Postal Service know what permit numbers are included in the mailing that the Mail.dat® file represents. This field is used to identifying what permits are being used for the entire job in an MLOCR environment.
Mail Owner's Lcl Permit Ref Num / Int'l Bill Num - Type	MPA-1108	S = Stamp M = Meter P = Permit G = Gov't - Fed (using Permit) V = Virtual Reference Number H = Government Meter
Postage Payment Option	MPA-1109	C = CPP V = PVDS T = CAPS D = Debit O = Other B = Billing
CAPS Reference Number	MPA-1110	Left justify, space added
Postage Payment Method	MPA-1111	S = Stamp P = Permit L = Metered: Lowest C = Metered: Correct M = Metered: Neither A = Alt Del H = Cash I = Partial Permit Imprint G = Gov't - Fed (use Permit) T = Per Pend (using Permit)
Mailing Facility Identifier	MPA-1112	Note: Use 9 or 15 bytes to represent an actual DUNS number. Use 8 or 9 bytes to represent a USPS-assigned CRID (Customer Registration ID).

MAILER POSTAGE ACCOUNT RECORD, continued

Field Name	Field Code ID /	Definition
Permit Holder Identifier	MPA-1113	See Note above.
Federal Agency Cost Code	MPA-1114	Federal Agency Code
Non-Profit Authorization Number	MPA-1115	
Title	MPA-1117	Publication Title
Reserve	MPA-1116	
MPA Record Status	MPA-2000	O, D, I, U
Closing Character	MPA-9999	Must be "#" sign

COMPONENT RECORD

Field Name	Field Code ID / Definition	
Job ID	CPT-1001	(see previous - HDR)
Component ID	CPT-1004	(see previous - MCR)
Component Description	CPT-1101	This is a unique name or code for each specific sub- or whole-portion of the mail piece. This field, if used, can carry an "absolute" reference to the Component in question while the Component ID is practical shorthand for reference to the Component's role within the mailing facilities postage analysis.

[[All immediately following definitions reference the corresponding fields values in the MPU section of these Mail.dat® "definitions"]]

Component - Weight	CPT-1102	(see MPU Weight - Weight)
Component Weight - Source	CPT-1103	(see MPU Weight - Source)
Component Weight - Status	CPT-1104	(see MPU Weight - Status)
Component - Length	CPT-1105	(see MPU - Length)
Component - Width	CPT-1106	(see MPU - Width)
Component - Thickness	CPT-1107	(see MPU - Thickness)
Periodical Component - Ad %	CPT-1108	(see MPU - Ad Percentage)
Periodical CPT Ad % - Status	CPT-1109	(see MPU - Ad Percentage - Status)
Component - Class	CPT-1110	(see MPU - Class)
Component - Rate Type	CPT-1111	R = Regular (US/MEX/CAN) L = Library N = Nonprofit C = Classroom S = Science of Agriculture P = Parcel Post B = Bound Printed Matter A = Alt Delivery F = Media Mail H = Per Ride-Along T = Priority X = Other D = Parcel Select M = Repositionable Component Z - Included, part of host postage E = Priority Mail Flat (fixed) - Rate Envelope G = Priority Mail Flat (fixed) – Rate Box I = First Class Permit Reply Mail J = Priority Mail Flat – Large Box K = Priority Mail Flat – Large Box APO/FPO W = Science of Agriculture Limited Circulation Y = Regular Limited Circulation *International: 1 = UA, 2 = UL, 3 = UM, 4 = UR*
Component - Processing Category	CPT-1112	(see MPU - Processing Category)
Mail Owner Identifier	CPT-1126	Reference number used by USPS for identification of specific mail owner. Note: Use 9 or 15 bytes to represent an actual DUNS number. Use 8 or 9 bytes to represent a USPS-assigned CRID (Customer

Field Name	Field Code ID /	Definition
		Registration ID). Use 12 bytes to represent the FAST Scheduler ID. This change was requested in 07-01 by USPS primarily to support information sharing with multiple entities for a single appointment within the USPS FAST system; USPS currently requires a Scheduler ID.
Sibling Container Mailing	CPT-1129	(see previous - MPU)
Mail Owner's Mailing Reference ID	CPT-1137	Mail Owner's chosen value to represent mailing to US Postal Service
CPT Record Status	CPT-2000	O = Original, D = Delete, I = Insert, U = Update
Periodical Ad% Treatment	CPT-1138	B = Ad % not counted, CPT weight added to base (B) piece S = Carries its own Ad Percentage (S for Self) N = Not applicable
Periodical Volume Number	CPT-1139	(see previous - MPU)
Periodical Issue Number	CPT-1140	(see previous - MPU)
Periodical Issue Date	CPT-1141	YYYYMMDD - date on which periodical is issued
Periodical Frequency	CPT-1142	Number of times published per year
Weight Version ID	CPT-1143	Unique ID of version placed on the component – Periodicals enhancement
Weight Equivalent User License Code	CPT-1144	User license code of a component of common weight. Used in conjunction with Weight Equivalent Job ID and Weight Equivalent Component ID to link together components with common book weight.
Weight Equivalent Mail.dat® Job ID	CPT-1145	See Note above.
Weight Equivalent Component ID	CPT-1146	See Note above.
Component Title	CPT-1147	A more appropriate place for title information
Reserve	CPT-1130	
Closing Character	CPT-9999	Must be a "#" sign

CONTAINER SUMMARY RECORD

Field Name	Field Code ID / Definition	
Job ID	CSM-1001	(see previous - HDR)
Segment ID	CSM-1002	(see previous - SEG)
Container Type	CSM-1005	P = Pallet S = Sack (general) V = Sack (Virtual) Bundles-on-Pallets that were sacks 1 = #1 Sack 2 = #2 Sack 3 = #3 Sack 4 = 01V Sack 5 = 03V Sack O = 1' Tray T = 2' Tray E = EMM Tray F = Flat Tub B = Bedload M = Logical Pallet (MLOCR) U = Unit Ld Device W = Walled Unit Z = User Pallet L = Logical Tray (MLOCR) H = EIRS 61 – Hamper, Large Canvas A = EIRS 61P – Hamper, Large Plastic G = EIRS 66 – General Purpose Mail Container w/Gate D = EIRS 68 – Eastern Region Mail Container w/Web Door R = EIRS 84 – Wire Container Rigid C = EIRS 84C – Collapsible Wire Container Logical Trays and Pallets are used by MLOCR Presort Facilities, See Scenario for Logical/Physical Tray and Pallets in CSM, under Scenarios
Container ID	CSM-1006	A unique numeric code for this container within this Job, exclusive of Container Type. This is a serial number for this container in this Mail.dat® for this Job and, as such, will be used to link to other Mail.dat® files. Must be mutually exclusive within Job. Repetitive Display Container IDs are at the discretion of the production facility receiving the respective Mail.dat. (zero fill prior to numeric).
Display Container ID	CSM-1101	Meaningful (external to Mail.dat) container number or code. (zero fill prior to numeric, if numeric only)
Container Grouping Description	CSM-1102	A value that associates multiple containers for the convenience of the mailing facility.
Container Destination Zip	CSM-1103	The 5-digit, 3-digit, 6-character or 6-alpha destination of container defined in this record. These are the same as destination 5-digit, 3-digit, 6-character or 6-alpha from the pallet, sack or tray label. Left Justify. US = (99999_), or (888___) CAN = (A1A9Z9) *International Mail = FRCDGA (FR CDG A)* For International mail, the destination zip is: **Two** position country code (ISO3166) **plus** **Three** position destination location code **plus** **One** position destination office of exchange qualifier FR = France // CDG = Charles DeGaulle // IDEAlliance can provide list of additional codes Default for containers with no ZIP or Postal Code: CANADA = if Canadian AOFRGN = all other foreign

MEXICO = if for Mexico USA = if for U.S. Domestic
These ZIP defaults are provided for use in the event that no pre-identified postal code is available.
Example: newsstand or bulk copy distribution via the mail or foreign copy distribution via the U.S. mail.

Container Level	CSM-1104	**Eligible Types: S = Sack, T = Tray, P = Pallet** (If single character, left justify, space added)

See NEXT Page for all Container Levels

Level	Characteristic (Domestic)	(Eligible Types)	Codes	Characteristic	(Eligible Types)
A =	CR-Direct	(S, T, P)	AJ =	Single Piece	(T, S)
B =	Mixed CR in 5 Digit	(S, T, P)			
C =	Mixed CR in 3 Digit	(S, T)			
D =	CR - 5D Scheme	(S, T, P)		(Canada/Foreign)	
G =	5 Digit (Auto/Presort)	(S, T, P)	BA =	Urban - Direct	(S, T)
H =	5 Digit (Merged)	(S, T, P)	BB =	Rural Direct	(S, T)
I =	5 Digit (Presort Only)	(S, T, P)	BC =	Station	(S, T, P)
J =	5 Digit (Barcode only)	(S, T, P)	BD =	City	(S, T, P)
K =	Metro Scheme	(P)	BE =	FSA	(P)
M =	5D Scheme (Presort)	(S, T, P)	BF =	DCF	(S, T, P)
N =	5D Scheme (Auto, Presort)	(S, T, P)	BG =	FCP	(S, T, P)
P =	5D Scheme (Barcode)	(S, T, P)	BH =	Province	(P)
Q =	5D Scheme (Merged)	(S, T, P)	BI =	Residual	(S, T, P)
R =	3 Digit (Auto, Presort)	(S, T)	BJ =	Foreign	(S, T, P)
S =	3 Digit (Barcode)	(S, T)	BK =	Country	(S, T, P, W, U)
T =	3 Digit (Presort)	(S, T)	BL =	Mixed Country	(S, T, P, W, U)
U =	3 Digit Merged (CR, Auto, Presort)	(S, T, P)	BM =	M Bags	(S)
V =	3 Digit Scheme	(T)			
W =	Unique 3 Digit	(S, T)			
X =	SCF	(S, P)			
Y =	Protected SCF	(P)			
Z =	ADC	(S, T, P)			
AA =	AADC	(T)			
AB =	Mixed ADC	(S, T, P)			
AC =	Mixed AADC	(T)			
AD =	ASF	(S, P)			
AE =	BMC	(S, P)			
AF =	Protected BMC	(P)			
AG =	Mixed BMC	(S, P)			
AH =	Origin MxADC	(S, T)			
AI =	Protected ADC	(P)			

Field Name	Field Code ID /	Definition
Entry Point for Entry Discount - Postal Code	CSM- 1105	The postal code (5-digit, 3-digit, 6-character or 6-alpha) of the facility where the specified container is planned to enter into the Postal System. For Domestic mail, use DMM “Labeling Lists” facility’s Destination Line. This information may not be known by the list processing facility. If known, the 5, 3, or 6 position value is to be left justified with "space" added. If the ultimate planned Entry Point is not known (example, as would be the case with a list supplier of a Standard Mail (A) job which will be included in a Destination Entry pool), then the Origin Zip (as indicated on the Entry Point Line of the Container Label) would be used for this field.
Entry Point for Postal Discount - Facility Type	CSM-1106	Entry Point for Container Handling, used for container entry charge. The type of facility where the container is planned to enter. In some cases, this is a description of the transportation work-sharing potential. For many List Processors, “Not-determined” is the option.

B = DBMC	A = ASF	S = DSCF	D = DDU
H = Transfer Hub	R = ADC	O = Origin	X = Alt Delivery
V = International Gateway	U = USPS International	T = Origin (Tran-Hub Seq)	N = Not-determined
G = Canada (Gatwy)	P = Canada (in Can)	F = Forgn Mail Consol.	C = Origin SCF
E = Origin DDU	J = Origin ADC	K = Origin BMC	L = Origin ASF
M = Dest AMF	Q = Origin AMF	*I = IBMC (Int'l BMC, NJ)*	

Example:

Drop Ship	Zone Skip	DMU Entry	BMEU Entry
B = DBMC	K = Origin BMC	O = Origin	K = origin BMC
R = ADC	L = Origin ASF		L = Origin ASF
S = DSCF	J = Origin ADC		J = Origin ADC
D = DDU	C = Origin SCF		C = Origin SCF
as appropriate	E = Origin DDU		E = Origin DDU
	as appropriate		as appropriate

In the above "values", Origin XXX is used to describe that facility of a specific type (XXX), which is not the destination XXX, but rather the XXX facility nearest to the preparer of the mailing.

Field Name	Field Code ID /	Definition
Entry Point - Actual/Physical - Postal Code	CSM-1107	Deleted. Name and description changed.
Entry Point - Actual/Delivery - Locale Key	CSM-1167	Use value of 'ORIGIN' for Origin/DMU Entered mail OR for US Drop Ship, Zone Skipped, and BMEU entered Mail use the Locale Key ("LOC" in first 3 bytes, balance is the 6-byte Locale Key itself); For Canadian mail, use 6 digit Canadian code of Entry facility e.g., A1A9Z9
Entry Point - Actual/Physical - Facility Type	CSM-1108	Deleted
Entry Point – Actual/Delivery - Postal Code	CSM-1168	ZIP + 4 of building receiving the mail; ZIP + 4 of DMU for DMU entered mail. The Zip + 4 is the Delivery Address Zip + 4 from the USPS Drop Ship product.
Parent Container Reference ID	CSM-1109	The Container Id of the Parent Container in which this child container resides; such as a tray on a pallet. Populate field with numeric from Container ID CSM-1006 of parent container's .CSM. If no child/parent relationship exists for this container, then field is blank. Populated ONLY for those child containers linked to a parent container; if container is parent only, then field is blank. A parent container may have a parent itself. This is not prohibited; ex: a carton in a sack upon a pallet.
Truck or Dispatch Number	CSM-1110	As available, the applicable transportation information.
Stop Designator	CSM-1111	It is the 'Stop Order' and stop 1 will be the first stop (i.e., what is loaded in the tail)
Reservation Number	CSM-1112	As available, the appointment number for the specified container in this record. Left Justify; Space Added
Container Ship Date	CSM-1113	As available, date when the container releases from mailing facility or agent's facility. (YYYYMMDD)
Container Ship Time	CSM-1164	As available, time when the container releases from mailing facility or agent's facility. (18:12)
Container Pick Up Date	CSM-1165	As available, date when the container is picked up from mailing facility or agent's facility for delivery. (YYYYMMDD)
Container Pick Up Time	CSM-1166	As available, time when the container is picked up from mailing facility or agent's facility for delivery. (18:12)

Field Name	Field Code ID /	Definition
Container Acceptance Date	CSM-1114	Reserved For USPS.
Scheduled In-Home Date	CSM-1115	The first, or only date of the ranged targeted for in-home delivery (YYYYMMDD)
Additional In-Home Range	CSM-1116	Additional days in the in-home range (permitted values = 0, 1, 2, 3, 4, 5, 6, 7, 8, 9)
Scheduled Induction Date	CSM-1117	That date on which the mail is transferred to the postal agent for processing
Scheduled Induction Time	CSM-1118	That hour of the scheduled date on which the mail is to be transferred to the postal agent for processing
Internal Date	CSM-1119	For use by that party internally managing with the particular Mail.dat® file. (YYYYMMDD)
Number of Copies	CSM-1120	Total copies on the container represented by this record.
Number of Pieces	CSM-1121	Total pieces on the container represented by this record. (see Scenarios for Firm Packages and Standard Mail combined in Fourth Class bundles) (Pieces may be less than copies in some Periodical or 4C mailings)
Total Weight (product only)	CSM-1122	9999v9 pounds, rounded (decimal point implied) The minimum value in this field is "1". (1/10 pound) *International = Gross Weight*
Unique Container ID	CSM-1123	A 12 byte A/N string unique among those containers issued under their User License Code for at least a three month period.
Container Status	CSM-1124	Blank = Not Closed R = Ready To Pay Postage X = Previously Closed / Paid P = Preliminary Postage Statement D = Delete (A Deleted Container Cannot be reused like the C Flag, where a C can be changed to “O” and then to “R” or “X” or “T”) T = Transportation Information Update, if after "R" (Ready To Pay) or “X” (Previously Closed or Paid) A = Ready to accept, for periodicals under CPP This field indicates the interim or final status of this specific container within this specific Mail.dat® . Examples: Blank = From List House to Mailing Facility Blank = From Mailing Facility to USPS (preliminary) Ready = From Mailing Facility to USPS (final for specific container) This would be in conjunction with a "U" Status for .csm File in Header Record Closed = From Mailing Facility to USPS (after this container is paid, if transmit full .csm file)

Field Name	Field Code ID /	Definition
Machinable Mail Piece	CSM-1125	Y = Letters - Machinable, no surcharge, Container Label gets "MACH" N = Letters - Manual, Non-Mach Surcharge and Cont Label gets MAN" U = Unaffected Container A = Letters - No Surcharge, but Tray Label says "MAN" (Simplified Mail) Regarding Machinability; a single MPU will be used to describe the nature of the mail piece: - The MPU - Surcharge field to indicate overall nature of the pieces physical characteristics. - The CSM - Machinable Mail Piece field indicates surcharge as applicable to respective container and need for Machinable or Manual on respective container label.
Tray Preparation Type	CSM-1126	P = Package, L = Loose, S = Separator, N = Not applicable.
Protected Container Status	CSM-1127	P = Protected, N = Not Protected. Indicates whether protected under presort optimization.
Container Presort Content	CSM-1128	A = CR, B = Barcode, C = Non BC, D = CR/NBC, E = CR/BC, F = NBC/BC, G = CR/BC/NBC
Geographic Scheme Level	CSM-1129	A = CR Scheme, B = 5-Digit Scheme (Mixed CR to an eligible sub 5- digit grouping), C = 3-Digit Scheme (Mixed auto letters to an eligible sub 3- digit grouping)
Trans-Ship Bill Of Lading Num.	CSM-1130	Multi-carrier load identification number
Production Machine ID	CSM-1131	The ID of the actual machine upon which the mail pieces in this container will be manufactured.
Sibling Container Indicator	CSM-1132	Y = Yes, Blank = Other. A "Y" indicates that this .CSM record represents an additional container that, due to a severe error in the piece measurement, is created during the course of production to contain those pieces that could not be included as part of the original container defined by the presort. If there is a Sibling Container ONLY five fields in the Sibling .CSM record are populated: - Job ID field - Segment ID field - The Container ID of the Sibling Container - Sibling Container Indicator field - The Sibling Container Reference ID field (Container ID of the original container requiring the sibling) - Those fields associated with Container Label data - No other fields populated; all other values are shared across this pair of associated containers.
Sibling Container Reference ID	CSM-1133	In the event of a Sibling Container, then the Mail.dat® Container ID of the original affected container must be populated in this field. A Sibling Container is one necessitated by a severe under-estimate of the piece weight; thereby requiring the mailing facility to create another (the Sibling) container to accept the overflow. Identifies the original container with which this Sibling Container is associated, if such

Field Name	Field Code ID /	Definition
		relationship exists, blank if no such relationship. (zero fill prior to numeric) (use numeric populated in Container ID CSM-1006 of .CSM of original container) (*c = required for "sibling" containers)
Postage Grouping ID	CSM-1136	Identifies that group of containers for which a single Postage Payment was made. (zero fill prior to numeric, if numeric only)
Container Gross Weight	CSM-1137	(9999v9, decimal implied) (inclusive of mail and container)
Container Gross Weight - Source	CSM-1138	A = Actual E = Estimated
Container Height	CSM-1139	(value in inches, no decimal) (inclusive of mail and container)
Container Height - Source	CSM-1140	A = Actual E = Estimated
EMD – 8125 ASN Barcode	CSM-1141	See EMD Scenario
Transportation DUNS Number	CSM-1142	
Entry Point for Entry Discount - Physical Address Postal Code	CSM-1143	DELETED
Container Level Attempted	CSM-1144	Only specified when container is actually re-labeled Specify the attempted container level prior to re-labeling Likely values: "X", and "Blank" Example: 3D Pallet Min > SCF Pallet Min, the attempted SCF Pallet is re-labeled as 3D since it contains only one 3D; then code as Con Level Attempted as "X" for SCF
Reserve	CSM-1145	DELETED
Special Condition On Limit	CSM-1146	OV = overflow (multiple containers to same level and destination) UF = under-filled (multiple containers to same level and destination) SM = below minimum established by rule SN = below normal minimum, as with an origin container OM = over maximum
DMM Sec Defining Cont Prep	CSM-1147	Full DMM applicable reference including subsections Example: DMM 300 section 705.8 could be represented as "705.8"..... Section 711.2.1 would be "711.2.1" Minimum value is 3 bytes; example "702"

CONTAINER SUMMARY RECORD, continued

Field Name	Field Code ID /	Definition
Alternate Method Defining Prep	CSM-1148	CSR number for Customer Support Ruling, EXCL with date for exception letter, can specify an NSA or other agreement; can be in addition to DMM reference
"Zebra Stripe" Indicator	CSM-1149	Z = Zebra Stripe Required N = Not Allowed
Label: 24-Character Container Barcode	CSM-1150	Left justify, blank fill. If not specified, then leave field blank. PostalOne! Requires that data be populated in this field, if represented mailing is using e8125 and container is a Pallet
Label: 10-Character Container Barcode	CSM-1151	Left justify, blank fill. If not specified, then leave field blank.
Label: Destination Line 1	CSM-1152	Left Justify
Label: Destination Line 2	CSM-1153	Right Justify
Label: Contents - Line 1	CSM-1154	Left Justify
Label: Contents - Line 2	CSM-1155	Right Justify (overflow of line 1)
Label: Entry (Origin) Point Line	CSM-1156	
Label: User Information Line 1	CSM-1157	User defined or client requested information
Label: User Information Line 2	CSM-1158	User defined or client requested information
Container Label CIN Code	CSM-1159	
Container Label Type	CSM-1160	1 = Tray, 2 = Sack, 3 = Pallet, 4 = Other
CSM Record Status	CSM-2000	O = Original, D = Delete, I = Insert, U = Update
Container Contains Overflow Indicator	CSM-1161	Y = Yes; N = No. This field is used to denote any overflow of mail from one container to other container(s)
FAST Content ID	CSM-1162	To link Shell recurring or basic appointments created online at the USPS FAST Web Site or through Web Services with Mail.dat® data
FAST Scheduler ID	CSM-1163	To Provide pallet level Scheduler ID information for the USPS FAST system for recurring appointments
Reserve	CSM-1134	
Closing Character	CSM-9999	Must be a "#" sign.

INTERNATIONAL CONTAINER LABEL RECORD

(See ISAL Scenario in next section of specification for one example of how "International" mailings are communicated via Mail.dat.)

Field Name	Field Code ID /	Definition
Job ID	ICL-1001	(see previous - HDR)
Container ID	ICL-1006	(see previous - CSM)
Destination Line 1	ICL-1101	(sub-divided for international)
Int'l: Destination Country Code	ICL-1102	Identifies destinating country (ex: FR = France)
Int'l: Destination Location	ICL-1103	Identifies destinating location (ex: CDG = Charles DeGaulle Airport)
Int'l: Destination OE Qualifier	ICL-1104	Code to differentiate individual shipments to destination location (ex: A)
Int'l: Final Destination City Name	ICL-1105	The name of the city of final delivery
Destination Line 2	ICL-1106	(Not used for international mail)
Contents Line 1	ICL-1107	Number of individual flight or a string of flights; (ex: UA606-AA1665-US448); Left Justify
Contents Line 2	ICL-1108	(Not used for international mail)
Entry (Origin) Point Line	ICL-1109	(sub-divided for international)
Int'l: Origin Country Code	ICL-1110	Identifies originating country (ex: US = United States)
Int'l: Origin Location	ICL-1111	Identifies originating location (ex: JFK = John F. Kennedy International Airport)
Int'l: Origin OE Qualifier	ICL-1112	Code to differentiate individual shipments from origin location (ex: A)
Int'l: Internal Date	ICL-1113	Available for use as an internal "note of date"
Int'l: Spare	ICL-1114	The portion of the "Entry Point Line Field" currently not defined as pertinent for international use
User Information	ICL-1115	(see previous - CSM)
Container Label Barcode	ICL-1116	(see previous - CSM)

INTERNATIONAL CONTAINER LABEL RECORD, continued

Field Name	Field Code ID /	Definition
Alt Del - Line 1	ICL-1117	(sub-divided for international)
Int'l: "Mail Category"	ICL-1118	Please excuse the Name of this field, this is named by international convention. For corresponding Mail.dat® data, see MPU - Class
Int'l: "Mail Class/Sub-Class"	ICL-1119	Please excuse the Name of this field, this is named by international convention. For corresponding Mail.dat® data, see MPU - Mail Category
Int'l: Dispatch Year	ICL-1120	Year in which dispatch occurred
Int'l: Dispatch Number	ICL-1121	Discriminating number within shipper's year of shipments
Int'l: Receptacle Number	ICL-1122	The number of the receptacle described in this record
Int'l: High Receptacle Number	ICL-1123	The number corresponding to the greatest receptacle number in this dispatch
Int'l: Register/Insure Indicator	ICL-1124	Marker indicating that the mail within this receptacle is either registered or insured
Int'l: Weight	ICL-1125	Weight of mail, include carton, etc; 999v9, kgs, round (dec pt implied); underscore, if omitted
Int'l: Spare	ICL-1126	The portion of the "Alt Del - Line 1 Field" currently not defined as pertinent for international use
Alt Del - Line 2	ICL-1127	(Not used for international mail)
Alt Del - Line 3	ICL-1128	(Not used for international mail)
Alt Del - Line 4	ICL-1129	(Not used for international mail)
Alt Del - Line 5	ICL-1130	(Not used for international mail)
ICL Record Status	ICL-2000	O = Original, D = Delete, I = Insert, U = Update
Reserve	ICL-1131	
Closing Character	ICL-9999	Must be a "#" sign.

CONTAINER QUANTITY RECORD

Field Name	Field Code ID / Definition	
Job ID	CQT-1001	In the case of mail where each piece is a package by itself (as with parcels), then each PQT record should have a unique Package ID (within the container) and there should be one PQT record for each piece. In the case of unpackaged mail (such as letters in certain trays), then all the PQT records for the container must have the same Package ID. (zero fill prior to numeric, if numeric only)
CQT Database ID	CQT-1034	Mail.dat® Container Quantity unique number, used to link Mail.dat® CQT and PQT (and PDR) files. Must be mutually exclusive across a Job ID. (zero fill prior to numeric) All non-Key fields in the CQT records should be used to force new records; thus requiring a new CQT ID. It is permitted to have multiple records with all of their fields the same (except the CQT Database ID). It is also permitted to merge records when their fields are the same.
Container ID	CQT-1006	(see previous - CSM)
3 Digit / 5 Digit Container Division	CQT-1007	3 or 5 Digit representing a portion or all of the pieces within the container. The 3 or 5 Digit represents those pieces within the container to a single 3 or 5 Digit; not presuming this set of pieces to be all of those going to the destination of the container. For example: Carrier Route Sack is described in one 3 Digit or 5 Digit Container Quantity Record; however, likely multiple records required to describe a Residual tray. For First Class, Periodicals, or Standard Mail, this field within the CQT is to be a 3-Digit since there is generally no finer Zone or Destination Entry discrimination necessary. The TWO exceptions for the preceding cases are when there is either: 1) a value representing "DDU" in CQT - position 34 for the respective CQT record OR 2) when the CQT record represents a portion of a 5-Digit Scheme package. In those cited cases, the 3 Digit / 5 Digit field for that container must have 5-Digit detail. For Package Services this value is to be a 5-Digit throughout the .CQT records. Left Justify the 3 Digit; if applicable. Only US Postal Service and Canada Post mail should have 3- or 5-byte values, all others see following. In the event that no postal code is available, then the following default 2-position alphas are to be used: Left Justify; Space Added: US = US CA = if Canadian MX = if for Mexico FOR = Foreign Foreign Mail: Use ISO3166 (2 position alpha Country Code) *International: Use ISO3166 (2 position alpha Country Code)*
Mail Piece Unit ID	CQT-1003	(see previous - MPU)
Zone	CQT-1101	(Package Services) L = Local (Priority/Periodicals/Pkg Services) 1 = Zone 1&2 (Periodicals) V = ADC (Priority/Per/Pkg Ser) 3, 4, 5, 6, 7, 8 = Zone 3, 4, 5, 6, 7, 8 (All) S = SCF D = DDU N = Not Zoned

Field Name	Field Code ID / Definition
	(Foreign Periodicals) Q = Can, R = Mex, X = Zone 3, T = Zone 4, U = Zone 5, G = Zone 6 (Micro, Marsh Islds) *International: A = SA E = EU, P = Pacific, F = Africa & Mid East, C = Can, M = Mex*
Destination Entry	CQT-1105 B = DBMC, S = DSCF, D = DDU, A = DADC, O = OptBMC (no DBMC) P = Parcel Post - Inter-BMC, Q = Parcel Post - Inter-BMC N = None
Rate Category	CQT-1008 If single character, left justify, space added

USPS

A = Saturation – ECR
B = High Density – ECR
D = Carrier Route
E = 5 Digit Barcode
G = 5D Non Barcode
H = 3 Digit Barcode
K = 3D Non Barcode
L = Basic Barcode
N = Basic/1C&4C-Prsrt
O = CR – Barcode
S = Single Piece
X = Alt Delivery – CR
Y = Alt Delivery – Basic
Z = PkgSer (BMC Presort)
Z1= Parcel Post (BMC Sort)
Z2= Par Post (OBMC Sort)
L1 = AADC BC
L2 - MxAADC BC
L3 = ADC BC
L4 = MxADC
L5 = ADC Non-BC
AF = Sat-ECR Ltr (Pd Flt)
BF = HD-ECR Ltr (Pd Flt)
NF = Bas Ltr (Pd Bas Flt)
KF = 3D Ltr (Pd Flt)
GF = 5D Ltr (Pd Flt)
DF = CR Ltr (Pd Flt)
FB = Firm Bundle (Not In-county)

Canadian:/Foreign

1 = Letter Carrier
2 = NDG Sort
3 = Mexico
4 = Foreign
5 = Misc
6 = reserve
7 = Int'l (by Wt
8 = Gateway Direct
9 = Full
0 = M-Bag

Standard Parcels Piece Rates

PI = 5-Digit
PM = 3-Digit
P7 = ADC
P8 = Mixed ADC

Piece and Pound Rates (For pieces that are more than 3.3 ounces)

PE = 5-digit – Machinable
PQ = BMC – Machinable
PR = Mixed BMC – Machinable
PG = 5-digit – Non Machinable
PK = 3-digit – Non Machinable
P5 = ADC - Non Machinable
P6 = Mixed ADC - Non Machinable

Non Flat Machinables

NG = 5-Digit
NK = 3-Digit
N5 = ADC/BMC
N6 = Mixed ADC/BMC

Standard & Periodical Flats and Letters

L6 = MxADC Non-BC

Standard Letters

L7 = AADC Non-BC
L8 = MxAADC Non-BC

Field Name	Field Code ID	/ Definition
		Do not indicate barcode discount, just the applicable presort, in this field for Package Services or Standard Parcel (see next field) Please note(1): Use of the "00010101" non-value in any "Coding" Date field in the SEG may jeopardize rate eligibility
Barcode Discount Or Surcharge Indicator	CQT-1009	B = Pays base rate (no surcharge or discount) D = Barcode discount (deducted from the base rate) S = Non-Barcode Surcharge (added to the base rate) I = Non-Barcoded DBMC-entered parcel (pays intra-BMC/ASF rate) O = Other, if not a parcel or Standard Mail NFM "Y" = Yes; "N" = No Value is set if "new" co-palletized piece; does not mean piece qualifies for rate

The Postal Service's proposed rules have created three flavors of barcode discounts and/or non-barcoded surcharges.

Non-barcode surcharge - The USPS has proposed for some types of parcels to eliminate existing provisions for barcode discounts and instead institute a surcharge for parcels (or Standard Mail NFMs) that are not barcoded. This proposed change is applicable to Standard Mail Discount Parcels, First Class Discount Parcels, and Parcel Post items that are not DBMC-entered. In short, the presence of a barcode is implied in the base rate and an additional non-barcoded surcharge is assessed if a parcel does not bear a barcode.

Intra-BMC/ASF rate (surcharge) for non-barcoded DBMC-entered parcels – The USPS has proposed to require barcodes for all DBMC-entered parcels. Machinable DBMC parcels that are not barcoded can claim only the applicable Intra-BMC/ASF rate.

Barcode Discount - For reasons unknown, the Postal Service has not proposed the same changes for Media Mail, Library Mail, and Bound Printed Matter parcels and the barcode discount is still applicable for those classes of parcels. In short, a parcel receives a barcode discount if it bears a barcode.

Given these three distinct scenarios, the Mail.dat specification needs to communicate instances of where a parcel surcharge needs to be added to the base rate, an alternate rate schedule is used, or where a barcode discount needs to be deducted from the base rate.

Field Name	Field Code ID / Definition	
Periodicals: Sub/Non-Sub/ Requestor Indicator	CQT-1010	Applicable to Periodicals; S = Subscription N = Non-Subscription R = Requestor O = Other
Periodicals: Not County / In-County	CQT-1011	Applicable to Periodicals; N = Not In-County I = In-County O = Other (Periodical's Foreign Mail will be coded with the value "O" = Other)
Number of Copies	CQT-1102	Total copies within the specified 3 or 5 digit of this record within the specific container
Number of Pieces	CQT-1103	Total pieces within the specified 3 or 5 digit of this record within the specific container. (Number of Pieces may be less than number of Copies in some Periodicals or Package Service mailings.)
CQT Record Status	CQT-2000	O = Original, D = Delete, I = Insert, U = Update
Per. Co-Palletization Disc. Indicator	CQT-1107	Y = Yes; N = No Value is set if "new" co-palletized piece; does not mean piece qualifies for rate
Experimental Periodical High Editorial, Heavy Weight, Small Circulation Publications - Origin Delivery Zone	CQT-1108	
Exp Per HE,HW, SC Pub - Origin 3-Digit Zip	CQT-1109	3-Digit where Verification occurs
ZAP Agent Code	CQT-1110	Code is the same as the Header History Sequence Number generated by the agent who most recently Zoned this container
Container Charge Allocation	CQT-1111	9v9999 - proportion, rounded, (decimal point implied). This field is to be used for denoting the proportion of cost of its container that it's "carrying"
Reserve	CQT-1106	
Closing Character	CQT-9999	Must be a "#" sign

PACKAGE QUANTITY RECORD

Field Name	Field Code ID / Definition	
Job ID	PQT-1001	(see previous - HDR) In case of mail where each piece is a package by itself (as with parcels), then each PQT record should have a unique Package ID (within the container) and there should be one PQT record for each piece. In the instance of unpackaged mail (such as letters in certain trays), then all the PQT records for the container must have the same Package ID. However, to have required USPS "group" information to support proper documentation for the described mail, a separate Package ID must be used for each 3-digit or 3-digit scheme "group" within an AADC tray, for each AADC group in a mixed-AADC tray, and for each 3-digit or 3-digit scheme "group" within an Origin MxADC sack. The associated Package Level and Package ZIP Code will be used to identify these "groups" as if they were physical packages. For example: MxAADC Tray -- Instead of presenting a MxAADC Tray as a single set of pieces at the MxAADC Package Level; there would be a separate description of each AADC group with an AADC Package Level and the corresponding 3- or 5-digit in the Package Zip Code of the respective record. Successive records would describe the balance of the tray. The appropriate 3/5 Digit (in this case, 3-digit) sub-division of records would continue to occur. This Mail.dat® convention creates appearance of physical package; however, the fact that pieces do not need to be physically packaged may be derived from Tray Preparation Type in the corresponding CSM.
CQT Database ID	PQT-1034	(see previous - CSM)
Package ID	PQT-1012	The unique code for this package within this container (zero fill prior to numeric, if numeric only)
Package Zip Code	PQT-1013	The 5-digit, 3-digit, 6-character or 6-alpha destination of the package defined in the record. Left Justify. For a Package Service parcel presort the Parcel Piece is the "package"; therefore, populate with the 5-digit of the parcel. US = (99999_), or (888___) CAN = (A1A9Z9) Default for containers with no ZIP or Postal Code or *International*: CANADA = Canadian AOFRGN = all other foreign MEXICO = Mexico USA = U.S. Domestic

PACKAGE QUANTITY RECORD, continued

Field Name	Field Code ID / Definition	
Package Carrier Route	PQT-1101	example: C999, R999, B999, H999 as applicable
Package Level	PQT-1102	**USPS** A = Firm B = Carrier Route C = 5-Digit D = Unique 3-Digit E = reserve F = 3 Digit G = reserve H = ADC I = AADC J = reserve K = Origin MxADC L = MxADC M = MxAADC N = reserve O = Working P = reserve Q = reserve R = Parcel S = Multi-piece parcel T = 3D Scheme U = 5D Scheme plus L007 V = BMC W = 5-Digit Super Scheme Alternate Delivery: X = Carrier Route Y = Basic Canadian/Foreign: 1 = Urban Direct 2 = Rural Direct 3 = Station 4 = City 5 = DCF 6 = FCP 7 = Residual 8 = Foreign
Package Barcode	PQT-1111	A/N Left justify. If not specified, then leave field blank. When specifying a barcode, all records for the same Package ID must contain the same value.
Number of Copies	PQT-1103	Number of copies within the specific package.
Number of Pieces	PQT-1104	Number of pieces within this specific package. First record within a Firm Package or multi-piece Package Services parcel has Piece Count = 1; subsequent records in same Package has Piece Count = 0.
Package Status	PQT-1112	"Blank" = Not Cancelled C = Cancelled
PQT Record Status	PQT-2000	O = Original, D = Delete, I = Insert, U = Update
Bundle Charge Allocation	PQT-1113	9v9999 - proportion, rounded, decimal point implied This field is to be used for denoting the proportion of cost of its bundle that it's "carrying".
Reserve	PQT-1105	
Closing Character	PQT-9999	Must be a "#" sign.

WALK SEQUENCE RECORD

Field Name	Field Code ID / Definition	
Job ID	WSR-1001	(see previous - HDR)
Segment ID	WSR-1002	(see previous - SEG)
Package Zip Code	WSR-1013	(see previous - PQT)
Package Carrier Route	WSR-1014	(see previous - PQT)
Co-Palletization Code	WSR-1015	(see previous - MPU)
Walk Sequence Type	WSR-1101	This field indicates whether the calculation of Saturation Walk Sequence eligibility is based upon the number of Total addresses or Residential Only addresses within the route. T = Total R = Residential
Walk Sequence Stops	WSR-1102	The number of unique addresses (not pieces delivered) for the carrier when delivering this specific route within the saturation eligible mailing. This value represents the total stops incurred while the applicable carrier route within this package is delivered.
Walk Sequence Denominator	WSR-1103	Target (Total or Residential) of Calculation. Potential Total or Residential Only addresses in the CR.
Walk Sequence Database Date	WSR-1104	The date of the database from which the walk sequence was secured.
WSR Record Status	WSR-2000	O = Original, D = Delete, I = Insert, U = Update
Reserve	WSR-1105	
Closing Character	WSR-9999	Must be a "#" sign.

SEED NAME RECORD

Field Name	Field Code ID / Definition	
Job ID	SNR-1001	(see previous - HDR)
Container ID	SNR-1006	(see previous - CSM)
Package ID	SNR-1012	(see previous - PQT)
Mail Piece Unit ID	SNR-1003	(see previous - MPU)
Seed Name ID	SNR-1016	Since this file is only necessary to be used in the event that a list of specific and documented names for a tracking program, then this field is populated with the supplied ID for each specific name/address. Therefore, there will be one Seed Name Record for each supplied seed name to be tracked. General seed lists (example: all managers at the catalog) will not require feedback of this nature from the list house. (zero fill prior to numeric, if numeric only)
Version Key Code	SNR-1017	As with the Seed name ID, this information is derived from the supplied name/ address/ record data.
Seed Name Received Date	SNR-1101	The date the "seed" agent received the mail piece.
Seed Type	SNR-1104	C = Standard Confirm, S = Smart Confirm, R = Traditional Response Seed, B = Both "R" + "C"
Piece Barcode	SNR-1105	Left justify; 5-Digit, 9-Digit, 11-Digit PostNet barcode numeric
SNR Record Status	SNR-2000	O = Original, D = Delete, I = Insert, U = Update
Reported Seed Condition	SNR-1106	The condition of the "seed" as received by a seed reporter. M = Mint, G = Good, F = Fair P = Poor
Piece 4-State Barcode / Planet Code	SNR- 1108	Left Justify, if Planet Code. This field should not be used to specify a PostNet Barcode alone; use the Piece Barcode field to do so.
Reserve	SNR-1103	
Closing Character	SNR-9999	Must be a "#" sign.

PACKAGE LABEL RECORD

This file is required for support of Canadian mailings; therefore, with that exception, it is not likely to be exchanged within any other Mail.dat® scenario.

Field Name	Field Code ID /	Definition
Job ID	PLR-1001	(see previous - HDR)
Container ID	PLR-1006	(see previous - CSM)
Package ID	PLR-1012	(see previous - PQT)
City Name	PLR-1101	Name of Canada Post city of delivery
Province Code	PLR-1102	Name of Canadian Province of delivery
Postal Code	PLR-1103	Postal Code of Canada Post office of delivery; as necessary for Directs
PLR Record Status	PLR-2000	O = Original, D = Delete, I = Insert, U = Update
Reserve	PLR-1104	
Closing Character	PLR-9999	Must be a "#" sign.

INK JET / CONTAINER RELATIONSHIP RECORD

Field Name	Field Code ID /	Definition
Job ID	ICR-1001	(see previous - HDR)
File Name	ICR-1101	The agreed file name describing the content of the single transmitted file within which this container exists
Tape ID	ICR-1102	The identifying A/N string for the tape within which this container exists. Use arbitrary sequence number if non-inkjet transmission.
Container ID	ICR-1006	(see previous - CSM)
Beginning Record	ICR-1103	The record number of the first address on the file/tape that is for the container defined within this record. (zero fill prior to numeric)
Ending Record	ICR-1104	The record number of the last address on the file/tape that is for the container defined within this record (zero fill prior to numeric)
ICR Record Status	ICR-2000	O = Original, D = Delete, I = Insert, U = Update
Reserve	ICR-1105	
Closing Character	ICR-9999	Must be a "#" sign.

PIECE DETAIL RECORD

Field Name	Field Code ID /	Definition
Job ID	PDR-1001	(see previous - HDR)
CQT Database ID	PDR-1034	(see previous - CSM)
Package ID	PDR-1012	(see previous - PQT; however, note: may use "XXXXXX", if no packages created.)
Piece ID	PDR-1018	Unique ID of individual piece within mailing (zero fill prior to numeric, if numeric only)
Piece Barcode	PDR-1108	Left Justify; Numeric values of the applicable 5-Digit, 9-Digit, or 11-Digit Barcode for the specific piece
Line-Of-Travel Sequence Number	PDR-1114	Specific piece's L.O.T.-relative sequence number within ZIP+4
Line-Of-Travel Sequence Code	PDR-1115	A = Ascending, D = Descending. Piece's LOT-relative code, if carrier walk its block-face ascending order
Walk Sequence Number	PDR-1116	"Relative" Walk Sequence number describing ranking within the carrier's actual delivery sequence
Wasted Piece Indicator	PDR-1117	Y = Piece was NOT produced successfully; blank for all else.
Delivery Signature Confirmation ID	PDR-1119	Unique identifier associated with Delivery Confirmation and this piece
Piece 4-State Barcode / Planet Code	PDR-1122	Left Justify, if Planet Code. This field should not be used to specify a PostNet Barcode alone; use the Piece Barcode field to do so.
SPR Record Status	PDR-2000	O = Original, D = Delete, I = Insert, U = Update
Periodical Co-Palletization Discount Indicator	PDR-1121	(see previous - PQT)
MLOCR Rate and Postage Marking	PDR-1123	MLOCR rate and postage marking field as applied by MLOCR equipment. See Definition for further details.

The following markings must be applied to each piece in the mailing when markings are applied by an MLOCR. These seven-character markings provide the automation rate marking information and additional information including the product month designator, MASS/*FAST forward* (FF) system identifier, manufacturer code, and rate marking information. The product month designator is the first character position and represents the product month of the USPS ZIP+4 Product installed with the system's lookup engine responsible for the ZIP+4 assignment. Each product month is designated by a character "A" through "L" (with "A" meaning January, "B" meaning February, etc.). The MASS/FF System Identifier is characters 2 through 4 and represents the certified system identifier responsible for the ZIP+4 assignment. There is a one-to-one relationship between the certified system serial number and the assigned identifier. The manufacturer code is the fifth character and is assigned at the manufacturer's discretion with one exception: the character "Z" is assigned when the mailpiece contains a delivery point barcode in the address block and the MLOCR does not perform a lookup but simply reproduces the address block barcode. The rate marking is represented in the last two characters according to the chart below. The applicable marking must appear on each mailpiece in one of the locations authorized under DMM sections 202 for letters, 302 for flats, or 402 for parcels.

Field Name Field Code ID / Definition

First Class

Rate Marking		
Letters	**Flats**	**Rate And Postage Category**
P1	F1	Barcoded 1-ounce Permit Imprint
P2	F2	Barcoded 2-ounce Permit Imprint
P3	F3	Barcoded 3-ounce Permit Imprint
P4	F4	Barcoded 4-ounce Permit Imprint
	F5	Barcoded 5-ounce Permit Imprint
	F6	Barcoded 6-ounce Permit Imprint
	F7	Barcoded 7-ounce Permit Imprint
	F8	Barcoded 8-ounce Permit Imprint
	F9	Barcoded 9-ounce Permit Imprint
	F0	Barcoded 10-ounce Permit Imprint
	FA	Barcoded 11-ounce Permit Imprint
	FB	Barcoded 12-ounce Permit Imprint
	FC	Barcoded 13-ounce Permit Imprint
M5	MF	Barcoded 5-Digit Meter Postage Affixed
M3	MT	Barcoded 3-Digit Meter Postage Affixed
MA	MD	Barcoded AADC Meter Postage Affixed
MM	MX	Barcoded Mixed AADC Meter Postage Affixed
MP	MP	Presorted Meter Postage Affixed
S1		Precanceled $0.15 Stamp Affixed (card)
S3		Precanceled $0.23 Stamp Affixed
S2		Precanceled $0.25 Stamp Affixed

Rate Marking	Rate and Postage Category
PI	Barcoded Regular Permit Imprint
NI	Barcoded Nonprofit Permit Imprint
M5	Barcoded 5-Digit Meter Regular Postage Affixed*
N5	Barcoded 5-Digit Meter Nonprofit Postage Affixed*
M3	Barcoded 3-Digit Meter Regular Postage Affixed*
N3	Barcoded 3-Digit Meter Nonprofit Postage Affixed*
MA	Barcoded AADC Meter Regular Postage Affixed*
NA	Barcoded AADC Meter Nonprofit Postage Affixed*
MM	Barcoded Mixed AADC Meter Regular Postage Affixed*
NM	Barcoded Mixed AADC Meter Nonprofit Postage Affixed*
M8	Presorted 3/5 Meter Regular Postage Affixed*
N8	Presorted 3/5 Meter Nonprofit Postage Affixed*
M9	Presorted Basic Meter Regular Postage Affixed*
N9	Presorted Basic Meter Nonprofit Postage Affixed*
SR	Precanceled Regular Rate Stamp Affixed
SN	Precanceled Nonprofit Stamp Affixed

The same code is used regardless of the destination entry rate, if any, for which the piece is metered

Machine ID	PDR-1124	Machine ID of the machine printing barcodes on the mail pieces. This field allows participants to identify the machine which applied the barcode on the mailpiece. When completed, this field will allow attribution of barcode quality to a single machine during the Seamless Acceptance postage assessment process.
Mailer ID of Mail Owner	PDR-1125	USPS Assigned Mailer ID (MID) of the Mail Owner to be used when the MID within the IM™ barcode on the mailpiece does not belong to the the Mail Owner. This field is used to attribute address hygeine to the correct party.

Field Name	Field Code ID /	Definition
Mailer ID of Barcode Applicator	PDR-1126	This field indicates through USPS MID who applied the IM™ barcode to each mail piece (e.g. Mail Owner, Mailing Agent, etc) . Completion of this field provides additional information used to attribute barcode quality.
Move Update Method	PDR-1127	This field indicates the method used to ensure move-update complaince for each mailpiece. USPS approved move update methods as of version 08-1 are (DMM 333.3.5.2): 0 = None 1 = ACS™ 2 = NCOA^{Link} 3 = FASTforward 4 = Mailer Move Update Process Certification (99% Rule) 5 = Ancillary Service Endorsements
.Reserve	PDR-1120	
Closing Character	PDR-9999	Must be a "#" sign.

SPECIAL FEES/CHARGES RECORD

Field Name	Field Code ID / Definition	
Job ID	SFR-1001	(see previous - HDR)
Container ID	SFR-1006	(see previous - CSM)
Piece ID	SFR-1018	(see previous - SPR)
Service Type	SFR-1019	If, applicable; Left Justify; Space Added Only one weight-variable fee/charge may be recorded on a single SPR record. Multiple "flat fee per piece" fees/charges may be recorded on one SPR record through the use of "Combination Codes." If there is a combination code that you'd like to use, but is not in the following list, please contact the Chief Editor.

A = (Reserved)	B = Delivery Confirmation	C = Signature Confirmation
D = Certified Mail	E = Insured	F = Registered
G = Return/Receipt/Merchandise	H = Return Receipt	I = Restricted Delivery
J = COD	K = Certificate Of Mailing	L = Customs
M = Special Handling >10	N = Special Handling <10	O = Single Piece Non-Std Surcharge
P = "Balloon" Surcharge	Q = Residual Shape Surcharge	R = Non-Machinable Surcharge
S = Presort Non-Std Surcharge	T = Merchandise Return Service	U = Certified **with** Return Receipt
V = Registered **with** Ret Receipt	W = Ride-Along (with Periodical)	X = Parcel Air Lift

Service "Stated Value"	SFR-1101	99999999v99; dollars, rounded to second decimal (decimal implied); The value of the single piece noted when applying for the Special Service
Service Fee	SFR-1102	99999v99; dollars, rounded to second decimal (decimal implied). Actual Postal dollars & cents incurred in costs for the specific piece for the one or more fees or charges noted above.
Special Fees/Charges Services ID	SFR-1103	Long Number unique for this set of services within the Job and Segment. Cannot mix services of two different IDs within the same record.
SFR Record Status	SFR-2000	O = Original, D = Delete, I = Insert, U = Update
Reserve	SFR-1104	
Closing Character	SFR-9999	Must be a "#" sign.

MANIFEST INDIVIDUAL RECORD

Field Name	Field Code ID / Definition
	## -- If this record is part of a Mail.dat® file set which includes MPU records, then following fields MUST be left blank
Job ID	MIR-1001 (see previous - HDR)
Container ID	MIR-1006 (see previous - CSM)
Piece ID	MIR-1018 (see previous - PDR)
MPU ID	MIR-1003 (see previous - MPU)
Piece Barcode	MIR-1113 (see previous - PDR)
Piece Zone	MIR-1102 (see previous - CQT)
Piece Destination Entry	MIR-1114 (see previous - CQT)
Package Level	MIR-1118 (see previous - PQT)
Package Zip Code	MIR-1119 (see previous - PQT)
Piece Carrier Route Code	MIR-1120 (see previous - PQT) (Ex: C001)
Piece Weight	MIR-1103 ## 999v999; pounds (rounded), decimal implied
Postage Class	MIR-1104 ## (see previous - MPU)
Processing Category	MIR-1106 ## (see previous - MPU)
Rate Type	MIR-1105 ## (see previous - MPU)
Rate Category	MIR-1121 (see previous - CQT)
Piece Postage	MIR-1107 9999v111; dollars, rounded (decimal point implied). This field is required by PostalOne!
Package Service Or Parcel Barcode Discount Indicator	MIR-1108 (see previous - CQT)
Parcel Rate Adjustment	MIR-1109 Y = Yes, N = No, O = Other.
Wasted Piece Indicator	MIR-1112 (see previous - SPR)
Delivery Signature Confirmation ID	MIR-1115 (see previous - SPR)
Line-Of-Travel Sequence Number	MIR-1122

MANIFEST INDIVIDUAL RECORD, continued

Field Name	Field Code ID /	Definition
Line-Of-Travel Seq. Direction Code	MIR-1123	
Walk Sequence Number	MIR-1124	
Piece Length	MIR-1125	## 999v9999; inches, rounded (decimal point implied)
Piece Width	MIR-1126	## 99v9999; inches, rounded (decimal point implied)
Piece Thickness	MIR-1127	## 99v9999; inches, rounded (decimal point implied)
Piece 4-State Barcode / Planet Code	MIR-1128	Left Justify, if Planet Code. This field should not be used to specify a PostNet Barcode alone; use the Piece Barcode field to do so.
Primary Payer MPA ID	MIR-1129	(see previous - MPA)
Secondary Payer MPA ID	MIR-1130	(see previous - MPA)
Surcharge	MIR-1131	## (see previous - MPU)
Pre-denominated Amount	MIR-1132	## (see previous - MPU)
Postage Affixed Type	MIR-1133	## (see previous - MPU)
Weight Source	MIR-1134	## (see previous - MPU)
Weight Status	MIR-1135	## (see previous - MPU)
Package ID	MIR-1136	(see previous - PQT)
MIR Record Status	MIR-2000	O = Original, D = Delete, I = Insert, U = Update
Reserve	MIR-1116	
Closing Character	MIR-9999	Must be a "#" sign.

MANIFEST SUMMARY RECORD

Field Name	Field Code ID / Definition
Job ID	MSR-1001 (see previous - HDR)
Segment ID	MSR-1002 (see previous - SEG)
Pallet/Cage Type	MSR-1020 P = Pallet, C = Cage N = Not Applicable
Pallet/Cage ID	MSR-1021 Unique identifier for the respective Pallet or Cage; must be unique within Job ID. "XXXXX" = No Pallet, No Cage (only if prior byte = "N")
Pallet/Cage CIN Code	MSR-1101 The CIN code for the Pallet or Cage.
Tray/Sack Type	MSR-1022 O = One Foot Tray, T = Two Foot Tray, E = EMM, F = Flat Tub, S = Sack
Tray/Sack ID	MSR-1023 Unique identifier for the respective Tray or Sack; must be unique within Job ID.
Tray/Sack CIN Code	MSR-1102 The CIN code for the Tray or Sack.
Piece Range-Set Values:	**The following fields describe those <u>consecutive</u> pieces that, considering no change in any pertinent aspect, can be summarized as a unit within the container. A piece range-set cannot exceed a tray/sack or 999 pieces**
Piece Range-Set CIN Code	MSR-1103 The CIN code for the piece range-set.
Piece Range-Set Zip Code	MSR-1104 The Zip Code for the piece range-set.
Piece Range-Set CR	MSR-1105 The carrier route of the piece range-set (C001).
Piece Range-Set Zone	MSR-1106 The zone for the piece range-set.
Piece Range-Set Postage	MSR-1107 The postage applicable to the piece range-set (9999v999 dollars - decimal implied).
Piece Range-Set Weight	MSR-1108 The accumulated weight of the piece range-set (999v999 - decimal implied).
Piece Range-Set Physical Space	MSR-1109 The linear distance occupied by the piece range-set (999v999 - decimal implied).
Pc Rng-Set First Sequence Number	MSR-1110 The piece number of the first piece within this piece range-set.
Piece Range-Set Count	MSR-1111 The quantity in this piece range-set.

MANIFEST SUMMARY RECORD, continued

Field Name	Field Code ID /	Definition
Piece Range-Set One Ounce Qty	MSR-1112	The quantity of one ounce pieces in this piece range-set.
Piece Range-Set Two Ounce Qty	MSR-1113	The quantity of two ounce pieces in this piece range-set.
Piece Range-Set Three Ounce Qty	MSR-1114	The quantity of three ounce pieces in this piece range-set.
Piece Range-Set Four Ounce Qty	MSR-1115	The quantity of four ounce pieces in this piece range-set.
Piece Range-Set Five Ounce Qty	MSR-1116	The quantity of five ounce pieces in this piece range-set.
Piece Range-Set Six Ounce Qty	MSR-1117	The quantity of six ounce pieces in this piece range-set.
Piece Range-Set Seven Ounce Qty	MSR-1118	The quantity of seven ounce pieces in this piece range-set.
Piece Range-Set Eight Ounce Qty	MSR-1119	The quantity of eight ounce pieces in this piece range-set.
Piece Range-Set Nine Ounce Qty	MSR-1120	The quantity of nine ounce pieces in this piece range-set.
Piece Range-Set Ten Ounce Qty	MSR-1121	The quantity of ten ounce pieces in this piece range-set.
Piece Range-Set Eleven Ounce Qty	MSR-1122	The quantity of eleven ounce pieces in this piece range-set.
Piece Range-Set Twelve Ounce Qty	MSR-1123	The quantity of twelve ounce pieces in this piece range-set.
Piece Range-Set Thirteen Ounce Qty	MSR-1124	The quantity of thirteen ounce pieces in this piece range-set.
Waste Quantity	MSR-1125	The quantity within the range-set that was not produced successfully
MPA - Unique Sequence/Grouping ID	MSR-1127	(see previous - MPA)
MSR Record Status	MSR-2000	O = Original, D = Delete, I = Insert, U = Update
Reserve	MSR-1126	
Closing Character	MSR-9999	Must be a "#" sign.

POSTAGE ADJUSTMENT RECORD

Field Name	Field Code ID /	Definition
Job ID	PAR-1001	(see previous -HDR)
Segment ID	PAR-1002	(see previous - SEG)
Mail Piece Unit ID	PAR-1003	(see previous - MPU)
Component ID	PAR-1004	(see previous - MCR)
Sequence Number	PAR-1024	A unique number differentiating this PAR record form any other for this JOB, SEG, MPU and CPT.
Date	PAR-1101	(see previous - HDR)
Adjustment Type	PAR-1102	1 = Ink Jet Re-Order exceeding tolerance, 2 = "Average Remail" Add-on, 3 = Spoilage, 4 = Shortage
Adjustment Amount	PAR-1103	999999v999 (dollars, decimal implied)
Credit/Debit Indicator	PAR-1104	C = Credit, D = Debit
Total Pieces Affected	PAR-1106	("0" [zero] is a permitted value)
User Comments	PAR-1105	Free form field for user notes
PAR Record Status	PAR-2000	O = Original, D = Delete, I = Insert, U = Update
Adjustment Status	PAR-1108	Blank = Not Closed; R = Ready To Pay; X = Paid;, C = Cancel P = Preliminary Postage Statement T = Transportation Information Update, if after "R"
MPA - Unique Sequence/Grouping ID	PAR-1108	(see previous - MPA)
Reserve	PAR-1107	
Closing Character	PAR-9999	Must be a "#" sign.

INFORMATION ACCESS KEY FILE

The Information Access Key is the file where the business partner access information is described as follows:

- the information acces rights to business partners when mail is handled by multiple mailing agents who are responsible for different business tasks for the mail piece unit and component records. This is where different business roles are identified per unique MPU/Component within a mail piece.

For example, the Mail.dat provider can identify and give read rights to transportation information related to a MCR to Scheduler ABC, eDoc access to a Preparer/printer XYZ, and again transportation information access to a Transporter EFG, where ABC, XYZ, and EFG are separate business entities.

Field Name	Field Code ID /	Definition
Job ID	IAK-1001	(see previous - HDR)
Segment ID	IAK -1002	(see previous - SEG)
Mail Piece Unit ID	IAK -1003	(see previous - MPU)
Component ID	IAK -1004	(see previous - CPT)
Information Access ID	IAK – 1005	Allows multiple similar roles per MCR record. E.g., more than one Consolidator per MCR record
Mail Owner	IAK – 1006	Owner of the component. USPS CRID (Customer registration ID) shall be used to identify the Mail Owner)
Mail Preparer	IAK – 1007	Printer/manufacturer of the mail. USPS CRID (Customer registration ID) shall be used to identify the Mail Preparer)
Mail Scheduler	IAK – 1008	Business Entity that created appointments with USPS FAST system for drop shipment or ADVANCE notification. USPS CRID (Customer registration ID) shall be used to identify the Mail Scheduler)
Mail Consolidator	IAK – 1009	Consolidator that merged the mail with other mail to get bigger discounts. USPS CRID (Customer registration ID) shall be used to identify the Mail Consolidator)
Mail Transporter	IAK – 1010	Business Entity that transported the Mail to the Postal Service. USPS CRID (Customer registration ID) shall be used to identify the Mail Transporter)
Reserve	IAK – 1011	
IAK Record Status	IAK – 2000	O, D, U, I
Closing Character	IAK – 9999	Must be “#” sign.

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Mail.dat® - Special Usage Scenarios

As noted earlier, Mail.dat® is a database designed to support the full range of possible mailing presentations. Considering this flexibility, some situations, or scenarios, are more challenging than others. The following are examples of how the most common scenarios are supported when using Mail.dat. Other scenarios may come to the user's attention; if not documented here, feel free to contact the IDEAlliance for further information. The scenarios are documented by record type (.hdr = Header, etc) and by Field Name.

CLOSING TRANSACTIONS (Individual Containers)

This scenario serves to close individual containers and make them available for electronic acceptance. This container specific scenario can occur as described, or an alternate scenario would be to close all containers in a mailing at the same time, simply by sending a replacement of the entire file

Uniquely Affected Fields

.hdr -	Mail Piece Unit Record Count:	will equal number of MPU records transmitted
	Mail Piece Unit Record Status:	C, for Change or U, for Update of individual records
	Component Record Count:	will equal number of CPT records transmitted
	Component Record Status:	C, for Change or U, for Update of individual records
	Container Summary Record Count:	will equal number of CSM records transmitted
	Container Summary Record Status:	C, for Change or U, for Update of individual records
	Container Quantity Record Count:	will equal number of CQT records transmitted
	Container Quantity Record Status:	C, for Change or U, for Update of individual records
.mpu -	MPU - Weight:	may vary with update
	MPU - Weight: Source:	possibly vary with update
	MPU - Weight: Status:	will vary with update
	MPU - Ad Percentage:	may vary with update
	MPU - Ad Percentage: Status:	will vary with update
.cpt -	CPT - Weight:	may vary with update
	CPT - Weight: Source:	possibly vary with update
	CPT - Weight: Status:	will vary with update
	CPT - Ad Percentage:	may vary with update
	CPT - Ad Percentage: Status:	will vary with update
.csm -	(only the following fields can be changed if previously submitted as Verification or Transportation Plan Mail.dat)	
	Entry Point for Entry Discount - Postal Code:	may vary with update
	Entry Point for Entry Discount - Facility Type:	may vary with update
	Entry Point - Actual /Physical - Postal Code:	may vary with update
	Entry Point - Actual/Physical - Facility Type:	may vary with update
	Truck or Dispatch number:	may vary with update
	Reservation Number:	may vary with update
	Container Ship Date:	may vary with update
	Container Status:	Must be "R", for Ready To Pay Postage In the event that a subsequent Full Fill transmission is necessary, any previously paid containers would have an "X" in this field
.cqt -	(only the following fields can be changed if previously submitted as Verification or Transportation Plan Mail.dat)	
	Zone/Destination Entry:	may vary with update

SELECTIVE BINDING

This scenario accommodates multiple Mail Piece Units IDs within the same mail stream. If a list processor and mailing facility never produce complex mailings, such as a periodical with a First Class enclosure, then the Component File may be no more than one corresponding Component record for each Mail Piece Unit record. Many of these fields, although not required, are standardized for the benefit of that set of users requiring the associated level of detail.

Uniquely Affected Fields

.hdr -	Mail Piece Unit Record Count:	will equal number of Mail Piece Unit records
	Component Record Count:	will equal number of Component records
.mpu -	Mail Piece Unit ID:	will be a variable; forces additional record
	MPU - Dimensions:	may vary with ID
	MPU - Ad Percent:	may vary with ID
	MPU - Class & Rate Type:	may vary with ID
	MPU - Processing Category:	may vary with ID
	Walk Seq & 5D Scheme Update Date:	may vary with ID
.mcr -	MPU ID:	will be a variable; forces additional records
	Component ID:	may be a variable; forcing additional records
.mpa -	MPA ID:	may be a variable; forcing additional records
	USPS Publication Number:	may vary with ID
	Permit Number, City, State, ZIP+4:	may vary with ID
	Mail Owner's Reference Number:	may vary with ID
	Postage Payment Option:	may vary with ID
	CAPS Reference Number:	may vary with ID
	Postage Payment Method:	may vary with ID
	Pre-Denominated Amount:	may vary with ID
.cpt -	Component ID:	may be a variable; forcing additional records
	Component - Dimensions:	may vary with ID
	Component - Ad Percent:	may vary with ID
	Component - Class & Rate Type:	may vary with ID
	Component - Processing Category:	may vary with ID
.cqt -	Mail Piece Unit ID:	will be a variable; forces additional record
	Sub/Non-Sub:	may vary with ID

PERIODICAL WITH FIRST CLASS OR STANDARD MAIL ENCLOSURE

These scenarios accommodate the potential multiple elements possible when an enclosure (First or Standard Class) is mailed within a Periodical mailing. Each "mail piece" consists of multiple entities that, while managed in some aspects as one element, are actually different in class, postal rate structure and marketing characteristics. Therefore, Mail.dat® will differentiate the sub components through the use of the Mail Piece Unit, MPU / C Relationship and Component records.

Uniquely Affected Fields

.hdr -	Mail Piece Unit Record Count:	will equal number of Mail Piece Units
	Component Record Count:	will equal number of identified components across the mailing
.seg -	Class Defining Preparation:	Class of the primary component; this scenario = Periodicals
.mpu -	Mail Piece Unit ID:	will be a variable; forces additional records
	MPU Class:	"2" for Periodicals
.mcr -	MPU ID:	will be a variable; forces additional records
	Component ID:	will be a variable; forcing additional records
	Host Statement CPT ID	will be a variable; forcing additional records
	Host Indicator for Ad Computation	will be a variable; forcing additional records
.cpt -	Component ID:	will be a variable; forcing additional records
	Component - Class:	Enclosure is "1" or "3" & Periodical is "2"
	Component - Rate Type:	Enclosure is "R" or "Z" & Periodical varies based on its nature
	Periodical Ad% Treatment:	Carries own Ad % is "S", Ad% not counted is "B", Not applicable "N"
.cqt -	Mail Piece Unit ID:	will be a variable; forces additional records

Treatment within the Component Record of various types of enclosures & attachments

#	Component Type	Description / Disposition	Class (80)	Rate Type (81)	Ad% Treatment (82)
#1	Bill / Invoice	Related to host piece; treated as Incidental First Class, Ad% = 100	1	Z	S
#2	First Class Attachment / Enclosure	Not related to host piece; treated as Non-Incidental First Class	1	R	N
#3	Periodicals Supplement	Treated as part of the Periodicals host piece	2	Z	S
#4	Renewal Notice	Related to host piece; weight of piece included in total weight of host	3	Z	B
#5	Standard Attachment / Enclosure	Not related to host piece; treated as Standard Mail Piece	3	R (or N)	N

Each "Periodical edition with enclosure" will be a specific Mail Piece Unit ID. However, there will be at least two Component records for that combination. For example;

The first Component record, sharing the specified Mail Piece Unit ID, has a Component ID specific for the Periodical.
The second Component record, with the same Mail Piece Unit ID, has a Component ID specific to the enclosure.

The MPU / C Relationship records link the components to the appropriate Mail Piece Unit.

With this detail it is possible to account for the presence of the mail piece and all of its constituent parts.

Example:
Two Periodical editions: NW (one part) and SE (two parts). One sister publication: SIS. Two different enclosures: RN and LC

Therefore: MPU IDs are: A = NW-RN B = NW-SIS-LC C = NW-RS D = SE-LC

Component IDs are:
10 = Component: Periodical NW
11 = Component: Periodical SE (Part 1)
12 = Component: Periodical SE (Part 2)
13 = Component: Periodical SIS
14 = Component: enclosure RN (this is a renewal notice for the host)
15 = Component: enclosure RS (this is a Standard Mail non-Ride Along piece)
16 = Component: enclosure LC (this is a bill / invoice for the host)

MPU / C Relationships are: A = 10, A = 14; B = 10, B = 13, B = 16; C=10, C=15; D=11, D=12, D=16
This permits the differentiation between components according to Class, rate, weight, etc.

One benefit of this approach is detail retention. The Component ID can be used as a select criterion to interrogate Mail.dat® for such detail as how many of the ABC enclosure are to be used within this campaign, regardless of the variety of Periodical editions in which it runs.

Scenarios (Treatment within the MPU/C Relationship Record)

A – NW publication with enclosed renewal notice; enclosure is related to the host piece and the enclosure weight is included in the total weight.

MPU ID	CPT ID	Host Statement CPT ID	Host Indicator for Ad Computation
1	10	10	Y
1	14	10	N

#2 – NW publication with enclosed sister publication and invoice for host; invoice is related to the host piece.

MPU ID	CPT ID	Host Statement CPT ID	Host Indicator for Ad Computation
2	10	10	Y
2	13	13	N
2	16	10	Y

#3 – NW publication with enclosed Standard Mail piece; the enclosure does not meet the Ride Along requirements, so postage is paid on a separate 3602.

MPU ID	CPT ID	Host Statement CPT ID	Host Indicator for Ad Computation
3	10	10	Y
3	15	15	N

#4 – SE publication with enclosed invoice for host; invoice is related to the host piece.

MPU ID	CPT ID	Host Statement CPT ID	Host Indicator for Ad Computation
4	11	11	Y
4	12	11	Y
4	16	11	Y

PERIODICAL WITH RIDE-ALONG ENCLOSURE

The USPS permits a single piece of Standard mail to accompany a Periodical mailing at the special Ride-Along rate if certain conditions are met. In general, a Ride-Along is restricted by weight (a maximum of 3.3 ounces under DMM 56), it may not be larger than the host piece, it may be attached or enclosed, the host piece must be properly endorsed, and the final mail piece must meet certain mail-processing requirements, such as being of uniform thickness. See the DMM for particulars.

It is important to note that, although only one Ride-Along is permitted in a mailing, there may be multiple versions, or editions, of the host. It is therefore possible for a mailing to consist of multiple editions, some which are accompanied by a Ride-Along and some of which are not. Thus, in a mailing including a Ride-Along, we will have a single component record describing the Ride-Along and one or more component records, each of which represents an edition that may or may not be accompanied by the Ride-Along component. Each unique combination of Periodical version and Ride-Along (or no Ride-Along) is a discrete mail piece that is identified with a distinct Mail Piece Unit record. The individual component records for each of the elements comprising an MPU are related to that record by means of MPU/C Relationship records. The following illustrates how these relationships are rendered via Mail.dat.

For purposes of illustration, let's assume a mailing that consists of two versions (editions) of the host Periodical and one Ride-Along piece. This gives us the following components:

Component ID:	1 = Component: Periodical version 1 2 = Component: Periodical version 2 3 = Component: Ride-Along

Now, let's assume that a Ride-Along always accompanies version 1 of the Periodical, but only accompanies some of the version 2 copies. This yields the following possibilities, each of which is a separate MPU:

MPU ID:	A = MPU: Version 1, including the Ride-Along (component 1 + 3) B = MPU: Version 2, including the Ride-Along (component 2 + 3) C = MPU: Version 2, with no Ride-Along (component 2)

The MPU/C Relationship records link the components to the appropriate Mail Piece Unit. In addition to other key information (header and segment) each record contains the key for the MPU and the key for one of the components that comprise it. For our limited example, this gives us the following set of MPU/C Relationship records:

MPU / C Relationships:	A -> 1; A -> 3; B -> 2; B -> 3; C -> 2

One benefit of this approach is detail retention. The Component ID can be used as a selection criterion to interrogate Mail.dat; for example, to determine how many Ride-Alongs are required across the mailing job, regardless of the Periodical editions in which it might be enclosed.

Uniquely Affected Fields

.hdr -	Mail Piece Unit Record Count:	will equal number of Mail Piece Units
	Component Record Count:	will equal number of identified components across the mailing
	MPU / C Relationship Record Count:	will equal sum of all components that comprise all MPUs in all segments
.seg -	Class Defining Preparation:	Class of the primary component; this scenario = Periodicals
.mpu -	Mail Piece Unit ID:	will be a variable; forces additional records
	MPU Class:	"2" for Periodicals
	MPU Rate Type:	Periodical rate type (Regular, Nonprofit, etc.)
.mcr -	MPU ID:	will be a variable; forces additional records
	Component ID:	will be a variable; forcing additional records
	Host Statement CPT ID	will be a variable; forcing additional records
	Host Indicator for Ad Computation	will be a variable; forcing additional records
.mpa -	USPS Publication Number:	Ride-Along is paid via the Periodicals account
	Postage Payment Option:	may vary with ID
	CAPS Reference Number:	may vary with ID
.cpt -	Component ID:	will be a variable; forcing additional records
	Periodical Component - Ad %:	will vary with ID – ad % is zero for Ride-Along component
	Component - Class:	Ride-Along is "2" & Periodical is "2"
	Component - Rate Type:	Ride-Along is "H" & Periodical varies based on its nature
	Periodical Ad% Treatment:	Ride-Along is "N" & Periodical is "S"
.cqt -	Mail Piece Unit ID:	will be a variable; forces additional records

Scenarios (Treatment within the MPU/C Relationship Record)

A – MPU: Version 1, including the Ride-Along (component 1 + 3)

MPU ID	CPT ID	Host Statement CPT ID	Host Indicator for Ad Computation
1	1	1	Y
1	3	1	N

B – MPU: Version 2, including the Ride-Along (component 2 + 3)

MPU ID	CPT ID	Host Statement CPT ID	Host Indicator for Ad Computation
2	2	2	Y
2	3	2	N

C – MPU: Version 2, with no Ride-Along (component 2)

MPU ID	CPT ID	Host Statement CPT ID	Host Indicator for Ad Computation
3	2	2	Y

SACKS/TRAYS ON PALLETS (PARENT CONTAINERS)

This scenario accommodates the "Postal defined" preparation of sacks and trays presented on pallets. This scenario uses the "Parent Container" and associated fields of the Container Summary record. The totality of information regarding a specific Parent Container can be determined two ways. First by looking at the .CSM of the Parent Container. Secondly, if seeking further detail, by looking at the .CQT or .PQT records associated with each of the "Child" .CSM records associated with the specific Parent Container. This last approach is the only way to get .CQT or .PQT detail (or any detail below the .CSM level) for a Parent Container, for only "Child Containers" (defined as those not parent to any other container) have .CQT and .PQT records associated with them. Container Quantity and Package Quantity Records are only to be generated and updated for their relationship to the lowest level container if container nesting (parent/child) is occurring. This approach avoids essentially duplicate .CQT and .PQT records pointing to each of the containers (the parent and the child) in the relationship.

Uniquely Affected Fields

		Parent Container	Child Container
.csm -		*example*: pallet	*example*: tray
	Container ID:	pallet serial number	tray serial number
	Container Destination Zip / Level:	applicable to pallet	applicable to tray
	Parent Container ID:	NONE	serial number of pallet
	Number of Copies / Pieces:	pallet quantity	tray quantity
	Total Weight:	weight on pallet	weight in tray
	Container ID:	pallet serial number	tray serial number
	Destination Line / Contents Lines 1 & 2:	applicable for pallet	applicable for tray
	Container Label Bar Code:	applicable for pallet	applicable for tray
.cqt -	Container ID:	no reference	tray serial number
	Number of Copies / Pieces:	no reference	applicable for tray
.wsr -	Container ID:	no reference	applicable for tray
.snr -	Container ID:	no reference	applicable for tray
.plr -	Container ID:	no reference	applicable for tray

PRODUCTION REQUIRING ADDITIONAL CONTAINERS PER DESTINATION (SIBLING CONTAINERS)

This scenario accommodates the occasional situation where, due to a severe under-estimate of the piece weight, the mailing facility is required to create another (the Sibling) container to accept the overflow. In the event of a Sibling Container, then the Mail.dat® Container ID of the original affected container must be populated in the Sibling Container ID field of the CSM. This reference identifies the original container with which this Sibling Container is associated. The Sibling Container ID field is to be left blank, if no such relationship exists.

Uniquely Affected Fields

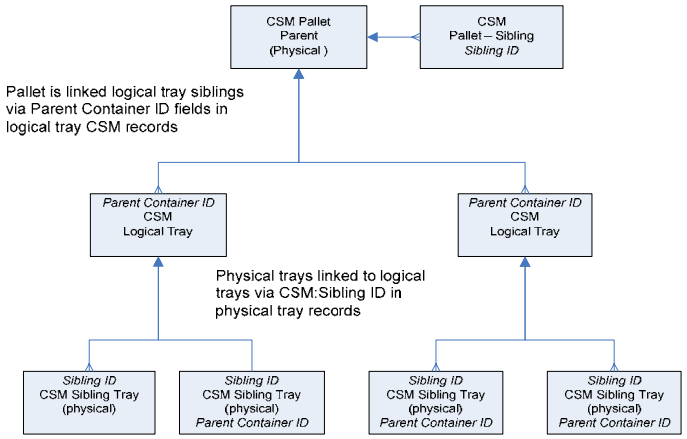
.seg -	All Applicable Fields :	as applicable	
	Sibling Container Mailing? Field:	"Y" = Yes, Sibling Containers in the associated Segment	
.mpu -	All Applicable Fields:	as applicable	
	Sibling Container Mailing? Field:	"Y" = Yes, Sibling Containers in the associated Mail Piece Unit	
.cpt -	All Applicable Fields:	as applicable	
	Sibling Container Mailing? Field:	"Y" = Yes, Sibling Containers in the associated Component	
.csm -		Original Container *example*: pallet #62	Sibling Container *example*: pallet #727
	Job ID:	as applicable	same as original container
	Segment ID:	as applicable	same as original container
	Container ID:	000062	000727
	Sibling Container Indicator:	blank	"Y" = Yes
	Sibling Container ID:	blank	serial number of original pallet
	Balance Of Record	as applicable	No Other Fields, except container label information, to be Populated
.cqt -	Original Pallet - All Applicable Fields	as applicable	No Associated Records
	(due to sibling relationship, the pair must always be viewed together for quantity, postage, etc; see below)		
.pqt -	All Applicable Fields:	as applicable	No Associated Records
.wsr -	All Applicable Fields:	as applicable	No Associated Records
.snr -	All Applicable Fields:	as applicable	No Associated Records
.plr -	All Applicable Fields:	as applicable	No Associated Records

PHYSICAL/LOGICAL TRAYS AND PALLETS

Under this new scenario with Mail.dat version 08-1 for the MLOCR world, each logical pallet would receive a CSM entry. All physical pallets for the mailing going to the same destination as the logical pallet would have a sibling relationship to the logical pallet. Logical pallets would also serve as the parent container to logical trays. All logical trays which have been placed on the pallet would be related to the logical pallet through a parent/child relationship. Physical trays will be related to the logical tray with the same presort level and destination through a sibling relationship.

Physical tray and pallet records may be added to the CSM file after the initial Mail.dat creation as those labels are created.

Relating Physical Trays and Pallets to Logical Trays
Generated by MLOCR (Version 2)



Scan to Pallet operation is supported as long as a physical tray scanned has already been linked to a logical CSM record. At the time of the scan, the link from the logical tray CSM record and the pallet can be established. In fact, only one physical tray associated with a logical tray need be scanned to establish the link for all physical trays. Limitation: If there are multiple physical trays associated with a logical tray, they must go on the same pallet.

DESTINATION ENTRY & ENTRY POINT IDENTIFICATION

Scenario describing various levels of detail to support Additional Entry or Destination Entry as summarized and shared with the recipient mailing facility.

Often with Periodicals mailings, the distribution plan is fully incorporated into the supplied mailing with specifics of each Additional Entry Point reflected in the list presentation. However, Standard Mail mailings more often are supplied as BMC (and SCF) "building blocks" that the recipient facility molds into the final distribution; but only after the entire "shipping pool" is received and analyzed. Therefore, cited affects will only occur in a certain set of cases.

It is occasionally the situation that the USPS will redirect entry from the "planned" facility to some other, due to capacity issues, etc. To communicate this event, the Postal Code, Facility Type and Physical Postal Locale Key are to be populated for the Entry Point planned for Entry Discount. In addition, the Postal Locale Key and Facility Type are to be given for the Entry Point that is the Actual/Physical location. This procedure assures recognition of the entry discounts for which the transported container is eligible, while providing actual entry location data.

Uniquely Affected Fields

.csm -	Entry Point for Entry Discount - Postal Code:	necessary data
	Entry Point for Postal Discount - Facility Type:	necessary data
	Entry Point - Actual/Delivery Locale Key:	necessary data after drop ship planning- may vary from “planned” in the event of USPS redirecting entry location
	Truck or Dispatch Number:	provide, if known
	Entry Point – Actual/ Delivery Postal Code	necessary data
.cqt -	Zone:	provide, as known
	Destination Entry:	provide, as known ("None", if plan is not final)
	Not County/In-County:	provide, if known

Usage (The following is a US and USPS specific scenario and does not consider International Facility identification):

The following table shows how the 4 fields in 08-1 would be filled out for various types of entries.

		Entry Type		
	Drop Ship	Zone Skip	DMU Entry	BMEU Entry
Entry Point for Entry Discount Postal Code	3/5 Digit Zip of facility	3/5 Digit Zip of facility	3 Digit Zip of DMU	3/5 Digit Zip of facility
Entry Point for Entry Discount Facility Type	B = DBMC	K = Origin BMC	O = ORIGIN	K = Origin BMC
	R = ADC	L = Origin ASF		L = Origin ASF
	S = DSCF	J = Origin ADC		J = Origin ADC
	D = DDU	C = Origin SCF		C = Origin SCF
	As Appropriate	E = Origin DDU		E = Origin DDU
		As Appropriate		As Appropriate
Entry Point - Actual/Delivery Locale Key	Locale Key of building Receiving the mail	Locale Key of building Receiving the mail	DMU	Locale Key of building Receiving the mail
Entry Point - Actual/Delivery Postal Code	Delivery Zip + 4 of Building Receiving the mail.	Delivery Zip + 4 of Building Receiving the mail.	Zip + 4 of DMU	Delivery Zip + 4 of Building Receiving the mail.

Example:

A) Milwaukee ADC (530) and SCF (530) are co-located and currently redirected to be delivered to the Milwaukee Priority Annex in Oak Creek (Locale: Y18537 , zip+4: 531541912)

There are three pallets being delivered to this location:

- SCF Pallet for SCF 530
- ADC Pallet for ADC 530
- SCF Pallet for SCF 600

		Entry Type	
	SCF 530	ADC 530	SCF 600
Entry Point for Entry Discount Postal Code	530	530	530
Entry Point for Entry Discount Facility Type	S-DSCF	R-ADC	J - ORIGIN ADC
			C - ORIGIN SCF
Entry Point - Actual/Delivery Locale Key	LOC18537	LOC18537	LOC18537
Entry Point - Actual/Delivery Postal Code	531541912	531541912	531541912

LIBRARY/MEDIA BMC SORT

This scenario describes how to communicate a BMC Sort preparation for Library or Media mail.

Uniquely Affected Fields

.mpu - MPU Rate Type: L Library) or F (Media)

.cqt - Rate Category: S (Single Piece), if less than 500 pieces in mailing
G (5-Digit), if 500+ pieces to a single 5-Digit container
Z (Package Services BMC Sort), if sort to BMC container

PRESORT BUREAUS – MLOCR PRESORT

This scenario describes the applicable fields and specific behaviors to support the MLOCR Presort Bureau data capture.

Uniquely Affected Records/Fields

.hdr -	All Applicable Fields:	as applicable
	Mail.dat® Presentation Category:	"M" = MLOCR
.seg -	All Applicable Fields:	as applicable
	Logical/Physical Container Indicator:	"L" for Logical Container (there's only one CSM/CQT record per preparation destination; ex: 34 trays to 3-Digit 515, but one CSM/CQT record necessary)
.mpu -	All Applicable Fields:	as applicable
.mcr -	All Applicable Fields:	as applicable
.cpt -	All Applicable Fields:	as applicable
.csm -	All Applicable Fields:	as applicable (note: only one CSM per preparation destination)
	Container Type:	"L" = Logical Tray
.cqt -	All Applicable Fields:	as applicable (note: only one CQT per preparation destination)
.pqt -	Not Applicable	

CUSTOM MAIL

This scenario describes the applicable fields to support the usage of Custom Mail elements in a mailing.

Uniquely Affected Records/Fields

.seg -	Principal Processing Category Field:	"CM"
.mpu -	Processing Category Field:	"CM"
.cpt -	Processing Category Field:	"CM"

ISAL MAILING

This scenario supports an International Surface Airlift (ISAL) mailing of multiple walled units, via ground transportation from a mailer's plant to an ISAL International Service Center for direct air transportation. Each walled unit is labeled in compliance with international ISAL label specification. In this example, a shipment of catalogs is dispatched for air shipment from Chicago O'Hare to two locations (Tokyo and Nagasaki) in Japan.

Uniquely Affected Fields

.hdr -	International Container Label Count:	One record for each label generated
.seg -	Class Defining Preparation:	example: B = SAL/ISAL
	Principal Processing Category:	example: UA = Letters-AO
.mpu -	Mail Piece Unit – Class:	example: B = SAL/ISAL
	Mail Piece Unit – Rate Type:	example: 1 = UA
	Mail Piece Unit – Processing Category:	from table in Field Definitions (example: AK = ISAL, Direct)
	Country:	3 digit from ISO 3166 (example: JPN)
.cpt -	Component – Class:	example: B = SAL/ISAL
	Component – Rate Type:	example: 1 = UA
	Component – Processing Category:	from table in Field Definitions (example: AK = ISAL, Direct)
	Permit Number/City/State/ZIP+4:	for ISAL Mailing Statement (Form 3650)
	Mail Owner's Int'l Billing Number:	for ISAL Mailing Statement (Form 3650)
	Payment Info (Option/Method/Amount):	for ISAL Mailing Statement (Form 3650)
.csm -	Container Type:	example: W = Walled Unit
	Container Destination Zip:	Multiple records for each destination (ex: JPTYOA and JPNGSA)
	Container Level:	example: W1 = Country
	Entry Point Code/ Facility Type / Actual Phys:	example: USORDA
	Transportation Information:	as applicable
	Number of Copies/Pieces/Total Weight:	for ISAL Mailing Statement (Form 3650)
.icl -	All fields (where information is available):	29 char int'l barcode formed by concatenating following byte positions (130-135) + (20-25) + (202-218)
	Container Label Bar Code:	Mailer's internal 12 character bar code for same container
.cqt -	3 digit / 5 digit:	3 digit country code from ISO 3166 (ex: JPN)
	Zone:	International zone (ex: P = Pacific)
	Destination Entry	"N" = None
	Rate Category:	ex: 7 = Int'l (by Wt)

LETTER/FLAT (Fletters)& FLAT/PARCEL (Farcels) PRESENTATION

This scenario permits the exchange of data regarding Letter-size pieces prepared as Flats, and for Flat-size pieces prepared as Parcels.
A mailing of a Letter-size piece may be declared to be a Flat, and a mailing of a Flat-size piece may be declared to be a Parcel. If this situation is communicated via Mail.dat® and portions of the mailing are prepared as they are declared and some portion is prepared as reflects the actual category of the piece's dimension, then it is necessary to present the mailing as two Segments, with correspondingly different MPUs/CPTs to represent each of the manifestations of the physical mail piece.

For example, there would be two Segments, with one MPU & CPT in each:
- the 1st Segment & MPU/CPT has a Principal Processing Category & Processing Category of "Letter"
- the 2nd Segment & MPU/CPT has a Principal Processing Category & Processing Category of "Flat"

Uniquely Affected Records/Fields

.hdr -	All Applicable Fields:	as applicable	
		First Segment *example*: LETTER	Second Segment *example*: same piece as FLAT
.seg -	All Applicable Fields:	as applicable for Letter	as applicable for Flat
.mpu -	All Applicable Fields:	as applicable for Letter	as applicable for Flat
.mcr -	All Applicable Fields:	as applicable for Letter	as applicable for Flat
.csm -	All Applicable Fields:	as applicable	as applicable
.cqt -	All Applicable Fields:	as applicable	as applicable
.pqt -	All Applicable Fields:	as applicable	as applicable

SINGLE PIECE FOR PRESORT/MANIFEST MAIL

This scenario permits the exchange of data regarding individual pieces prepared as manifested single piece mail.
This scenario uses the PDR file as an extension of the CSM, CQT, PQT hierarchy.

Uniquely Affected Records/Fields

.hdr -	All Applicable Fields:	as applicable
	Mail.dat® Presentation Category:	"N" = Single Piece
.seg -	All Applicable Fields:	as applicable
.mpu -	All Applicable Fields:	as applicable
.mcr -	All Applicable Fields:	as applicable
.mpa -	All Applicable Fields:	as applicable
.cpt -	All Applicable Fields:	as applicable
.csm -	Container Type:	as applicable
	Container Destination Zip:	as applicable
	Container Level:	as applicable
	Entry Point Facility Type:	“N” = None
.cqt -	Not Applicable	
.pqt -	Not Applicable	
.pdr -	All Applicable Fields:	as applicable

MANIFESTING INDIVIDUAL PIECES

This scenario permits the exchange of data regarding individual pieces prepared as manifested single piece parcels. This scenario is the classic manifest circumstance, not presorted, this record set excludes the CQT and PQT files.

Uniquely Affected Records

.hdr -	All Applicable Fields:	as applicable
	Mail.dat® Presentation Category	"I" = Manifest Individual
.seg -	All Applicable Fields:	as applicable
.mpu -	Not Applicable	
.mcr -	Not Applicable	
.cpt -	All Applicable Fields:	as applicable
.csm -	All Applicable Fields:	as applicable
.cqt -	Not Applicable	
.pqt -	Not Applicable	
.mir -	All Applicable Fields:	as applicable
.sfr -	All Applicable Fields:	as applicable

MANIFESTING (SUMMARIZED) SINGLE PIECES

This scenario permits the exchange of highly summarized data describing manifested mail pieces.
This scenario is the classic manifest circumstance, not presorted, this record set excludes the CSM, CQT and PQT files.

Uniquely Affected Records/Fields

.hdr -	All Applicable Fields:	as applicable
	Mail.dat® Presentation Category:	"S" = Manifest Summary
.seg -	All Applicable Fields:	as applicable
.mpu -	Not Applicable	
.mcr -	Not Applicable	
.mpa -	All Applicable Fields:	as applicable for each permit holder within Job
.csm -	Not Applicable	
.cqt -	Not Applicable	
.pqt -	Not Applicable	
.msr -	All Applicable Fields:	as applicable

FIRM PACKAGES AS MULTI-PIECE "PACKAGE SERVICES" PARCELS

This scenario accommodates qualifying packages destined to the same business or firm. These multiple magazines or letters, due to their single delivery point, are eligible to have their "non-weight" rate component calculated for one piece, even though there are multiple copies within the package.

Uniquely Affected Fields

.csm -	Number of Copies:	number of copies per container
	Number of Pieces:	number of pieces in container(any firm package counts as one piece) (if a sack has 25 copies and 12 copies are in two Firm Packages; then the total pieces equals 15)
.cqt -	Number of Copies:	number of copies per container
	Number of Pieces:	number of pieces in container (any firm package counts as one piece) (see Number of Pieces, above)
.pqt -	Package Level:	"S" (Multi-Piece Parcel)
	Number of Copies:	number of copies per package
	Number of Pieces:	number of pieces in package (any firm package counts as one piece) (if two Firm Packages have 12 copies; then the total pieces equals 2)

CANADIAN PREPARATION

This scenario describes how the various aspects of a mailing made-up entirely of Canadian presort might look.

Uniquely Affected Fields

.hdr -	none pertinent	
.seg -	Class Defining Preparation:	V (Value Post)
.mpu -	Mail Piece Unit Class:	V (Value Post)
	Country:	CAN
.mcr -	As Applicable	
.mpa -	As Applicable:	
.cpt -	Component Class:	V (Value Post)
.csm -	Destination Zip:	Postal Code
	Container Level:	as applicable
	Entry Point Zip Code - Planned:	Postal Code
	Entry Point Facility Type - Planned:	G (Gateway) or P (any other)
	Truck or Dispatch Number:	provide, if known
.cqt -	3 Digit / 5 Digit Division:	Postal Code
	Rate Category:	1 (Letter Carrier) or 2 (NDG)
.pqt -	Package Zip:	Postal Code
	Package Level:	as applicable
.wsr -	Package Zip:	Postal Code
.plr -	All Fields:	as applicable

FLAT-SIZE MAIL PRESENTED IN TRAYS
("Substituted Container" Preparation)

This scenario permits the use of alternate containers for unique mail presentation circumstances.

Uniquely Affected Records/Fields

.hdr -	All Applicable Fields:	as applicable
.seg -	All Applicable Fields:	as applicable
	Substituted Container Preparation	"T" (indicates Trays are substituted for Sacks) (the reverse can occur as well)
.mpu -	All Applicable Fields::	as applicable
.mcr -	All Applicable Fields::	as applicable
.mpa -	All Applicable Fields::	as applicable
.cpt -	All Applicable Fields:	as applicable
.csm -	All Applicable Fields:	as applicable
.cqt -	All Applicable Fields:	as applicable
.pqt -	Optional	

REPOSITIONABLE COMPONENT

This scenario permits the use of Respositionable Affixed Note for unique mail presentation.

Uniquely Affected Records/Fields

.cpt -	Rate Type Field:	"M"
All	Other Records/ Fields:	as applicable

EMD INFORMATION

This scenario describes the affected fields in various EMD applications.

Mailing Specific EMD

Uniquely Affected Records/Fields

.seg -	All Applicable Fields:	as applicable
	EMD Barcode Indicator	"M" indicates EMD barcode applies to ALL pieces in the MAILING
	EMD Mailing - Generic Package Barcode	Barcode numeric that will be on each package

Shipment Specific EMD

Uniquely Affected Records/Fields

.seg -	All Applicable Fields:	as applicable
	EMD Barcode Indicator	"S" indicates EMD barcode applies to ALL pieces in respective SHIPMENT
.csm -	All Applicable Fields:	as applicable
	Confirm Sequential Shipment ID Barcode	Barcode numeric applies to ALL containers within a respective SHIPMENT

Package Specific EMD

Uniquely Affected Records/Fields

.seg -	All Applicable Fields:	as applicable
	EMD Barcode Indicator	"P" indicates EMD barcode is UNIQUE per PACKAGE
.csm -	All Applicable Fields:	as applicable
	Unique Container ID	Populated with numeric that is UNIQUE for each CONTAINER in mailing
.pqt -	All Applicable Fields:	as applicable
	Package ID	This required field will be used to create the EMD barcode

In this scenario, the end user (such as the US Postal Service) will concatenate the CQT - Unique Container ID plus the right-most five bytes of the PQT - Package ID to create the "package unique" EMD barcode.

BUNDLE ASSOCIATION TO RE-CREATE VIRTUAL FIRM OR CARRIER ROUTE SET

This scenario describes the business rule whereby the presentation of various bundles (such as a Firm Bundle and the other Bundles for the same Carrier Route Logical Bundle) could be re-created from a Mail.dat® file.

To re-create the virtual bundles (packages), interrogate the following fields to identify bundles sharing all elements in common; therefore, to be considered part of the same Logical (virtual) Bundle: CQT - Rate Category, PQT - Package CR, PQT - Package Zip, and PQT - Package Level

Uniquely Affected Records/Fields

.cqt -	Rate Category:	Key to common bundle
.pqt -	Package Carrier Route	Key to common bundle
	Package Zip Code	Key to common bundle
	Package Level	Key to common bundle

Mail.dat® WEIGHT/OUNCE INCREMENT SCENARIOS

MLOCR World – Presort Bureau – Combined Mailings:

In this world, Presort Bureaus (PBs) are allowed to combine multiple ounce increments or multiple postage payment types (meter, permit imprint, precanceled) in the same mailing. The following is what is possible for each of these three postage payment types:

1. First-Class Mail Meter Scenario – Current Rate Structure

    a. PBs generally elect not to determine or do not know the exact piece weights of individual FCM metered pieces.
    b. PBs do not anywhere record how many FCM metered pieces are run as 1, 2, 3, or 4 ounces because the first ounce postage is all that is relevant for determining a shift in value of the piece. The additional postage for other ounce amounts is metered on the piece.
    c. All that is recorded when running the pieces is the rate level of the pieces being run, e.g. 5-digit, 3-digit, AADC, MXD AADC, Presorted

    In this scenario, there is no need, and would be impossible to record metered FCM at specific ounce increments.

    Mail.dat® file fields:

File	Field	Pos.	Value
HDR	Mail.dat® Presentation Category	400 - 400	M = MLOCR
MPU	Mail Piece Unit – Weight	60 – 65	Specify .0625 (1 oz) or exact weight if available
MPU	MPU - Weight: Source	66 – 66	L = Logical (implied from rate)
MPU	MPU - Weight: Status	67 – 67	M = Man Wt (function of Rate, not actual)
MPU	Mail Piece Unit – Class	93 – 93	1 = First Class
MPU	Postage Affixed Type	135 – 135	M = Meter

2. First-Class Mail Meter Scenario – New Rate Structure

    Under the new rate structure there is a separate ounce differential for Presorted Mail (Machinable Mailings) as opposed to Automation Rate Mailings. This means that if a PB prepares a Presorted Mail mailing they will be required to run metered FCM pieces by ounce increment.

    Mail.dat® file fields:

File	Field	Pos.	Value
HDR	Mail.dat® Presentation Category	400 - 400	M = MLOCR
MPU	Mail Piece Unit – Weight	60 – 65	Specify .0625 (1 oz) or exact weight if available
MPU	MPU - Weight: Source	66 – 66	L = Logical (implied from rate)

MLOCR World – Presort Bureau – Combined Mailings – Continued

MPU	MPU - Weight: Status	67 – 67	M = Man Wt (function of Rate, not actual)
MPU	Mail Piece Unit – Class	93 – 93	1 = First Class
MPU	Mail Piece Unit - Processing Category	95 – 96	LT = Letter, FL = Flat (Use this for non-mach. Letters)
MPU	Postage Affixed Type	135 – 135	M = Meter

3. Standard Mail Meter Scenario – Piece Rate Pieces Only (Pieces weighing 3.3 ounces or less)
    a. PBs would not have to know the exact piece weight to pay correct postage because all pieces up to 3.3 ounces are the same rate.
    b. On the other hand, exact piece weights may be available, but again there is no necessity to record by ounce increments.

In this scenario, there is no need, to record metered STD Mail at specific ounce increments; however, since it could be a mailing of identical weight pieces and if the exact piece was available, then it might prove useful for purposes other than paying for postage.

Mail.dat® file fields:

File	Field	Pos.	Value
HDR	Mail.dat® Presentation Category	400 - 400	M = MLOCR
MPU	Mail Piece Unit – Weight	60 – 65	Specify .2063 (3.3 oz) or exact weight if available
MPU	MPU - Weight: Source	66 – 66	A = Agent (real-time) or L = Logical (implied from rate)
MPU	MPU - Weight: Status	67 – 67	P = Pending, F = Final or M = Man Wt (function of Rate, not actual. Use this for 3.3 oz.)
MPU	Mail Piece Unit – Class	93 – 93	3 = Std Mail
MPU	Postage Affixed Type	135 – 135	M = Meter

4. Standard Mail Meter Scenario – Piece and Pound Rate Pieces (Pieces weighing over 3.3 ounces)

This scenario cannot occur in at a PB in a Combined MLOCR Mailing.

5. First-Class Mail Permit Imprint Scenario
    a. PB's MUST record the specific ounce increment of the permit imprint piece in the Customer Mail Profile, but are not required to record the exact piece weight.
    b. PB's may choose to record exact piece weight.

Mail.dat® file fields:

File	Field	Pos.	Value
HDR	Mail.dat® Presentation Category	400 - 400	M = MLOCR

MPU	Mail Piece Unit – Weight	60 – 65	Specify in oz increments or exact weight if available
MPU	MPU - Weight: Source	66 – 66	A = Agent (real-time) or L = Logical (implied from rate)
MPU	MPU - Weight: Status	67 – 67	P = Pending, F = Final or M = Man Wt (function of Rate, not actual. Use this for oz increments.)
MPU	Mail Piece Unit – Class	93 – 93	1 = First Class
MPU	Postage Affixed Type	135 – 135	Leave blank

6. Standard Mail Permit Imprint Scenario – Piece Rate Pieces Only (Pieces weighing 3.3 ounces or less)
    a. Since the rate is the same for all pieces up to 3.3 ounces, there is no requirement to record weights in ounce increments (1, 2, 3, &4). It only has to be recorded at weighing less than 3.3 ounces.
    b. On the other hand, exact piece weights may be available; the PB would record the exact weight for other purposes.

Mail.dat® file fields:

File	Field	Pos.	Value
HDR	Mail.dat® Presentation Category	400 - 400	M = MLOCR
MPU	Mail Piece Unit – Weight	60 – 65	Specify .2063 (3.3 oz) or exact weight if available
MPU	MPU - Weight: Source	66 – 66	A = Agent (real-time) or L = Logical (implied from rate. Specify this for 3.3 oz.)
MPU	MPU - Weight: Status	67 – 67	P = Pending, F = Final or M = Man Wt (function of Rate, not actual. Use this for 3.3 oz.)
MPU	Mail Piece Unit – Class	93 – 93	3 = Std Mail
MPU	Postage Affixed Type	135 – 135	Leave blank

7. Standard Mail Permit Imprint Scenario – Piece and Pound Rate Pieces (Pieces weighing over 3.3 ounces)

    This scenario cannot occur in at a PB in a Combined MLOCR Mailing.

8. First-Class Mail Precanceled Stamp Scenario
    a. Precanceled stamps are fixed denominations. The PB MAY ONLY include one ounce or less pieces in the mailing, so in effect there is no need to record the ounce increment or exact piece weight.

Mail.dat® file fields:

File	Field	Pos.	Value
HDR	Mail.dat® Presentation Category	400 - 400	M = MLOCR

MLOCR World – Presort Bureau – Combined Mailings – Continued

MPU	Mail Piece Unit – Weight	60 – 65	Specify .0625 (1 oz) or exact weight if available
MPU	MPU - Weight: Source	66 – 66	L = Logical (implied from rate)
MPU	MPU - Weight: Status	67 – 67	M = Man Wt (function of Rate, not actual)
MPU	Mail Piece Unit – Class	93 – 93	1 = First Class
MPU	Pre-Denominated Amount	130 – 134	Specify the value of the stamp
MPU	Postage Affixed Type	135 – 135	S = Stamp

9. Standard Mail Precanceled Stamp Scenario Piece Rate Pieces Only -(Pieces weighing 3.3 ounces or less)
    a. Precanceled stamps are fixed denominations. The PB MAY ONLY include pieces under 3.3 ounces in the mailing which are all the same postage rate, so in effect there is no need to record the ounce increment or exact piece weight unless it is available.

Mail.dat® file fields:

File	Field	Pos.	Value
HDR	Mail.dat® Presentation Category	400 - 400	M = MLOCR
MPU	Mail Piece Unit – Weight	60 – 65	Specify .2063 (3.3 oz) or exact weight if available
MPU	MPU - Weight: Source	66 – 66	A = Agent (real-time) or L = Logical (implied from rate. Specify this for 3.3 oz.)
MPU	MPU - Weight: Status	67 – 67	P = Pending, F = Final or M = Man Wt (function of Rate, not actual. Use this for 3.3 oz.)
MPU	Mail Piece Unit – Class	93 – 93	3 = Std Mail
MPU	Pre-Denominated Amount	130 – 134	Specify the value of the stamp
MPU	Postage Affixed Type	135 – 135	S = Stamp

10. Standard Mail Pre-Canceled Stamp Scenario – Piece and Pound Rate Pieces (Pieces weighing over 3.3 ounces)

    This scenario cannot occur in at a PB in a Combined MLOCR Mailing.

    MLOCR World – Presort Bureau and/or Mail Owner (AMEX for example) – Solo Mailings:

    In this world, the mail preparer knows all about the mailpieces, the exact piece weight and dimensions. They could predict where the piece will be located in the presort, what the weight of the trays and/or other containers, but it is not a requirement to do so.

    They would not need to list pieces by ounce increments because all pieces would be in the same ounce increment.

MLOCR World – Presort Bureau – Combined Mailings - Continued

Mail.dat® file fields:

File	Field	Pos.	Value
HDR	Mail.dat® Presentation Category	400 - 400	M = MLOCR
MPU	Mail Piece Unit – Weight	60 – 65	Specify in oz increments or exact weight if available
MPU	MPU - Weight: Source	66 – 66	A = Agent (real-time) or L = Logical (implied from rate)
MPU	MPU - Weight: Status	67 – 67	P = Pending, F = Final or M = Man Wt (function of Rate,
MPU	Mail Piece Unit – Class	93 – 93	1 = First Class
MPU	Postage Affixed Type	135 – 135	Leave blank

List Mailer World:

In this world, the mail preparer knows all about the mailpieces, the exact piece weight and dimensions. They can predict with great accuracy where the piece will be located in the presort and what is the weight of the trays and/or other containers.

For list mailers, they do not need to report by ounce increments, rather they will report exact piece weights.

Mail.dat® file fields:

File	Field	Pos.	Value
HDR	Mail.dat® Presentation Category	400 - 400	P = Conventional Presort
MPU	Mail Piece Unit – Weight	60 – 65	Specify exact weight
MPU	MPU - Weight: Source	66 – 66	A = Agent (real-time), C = Calculated (formula) P = Postal (clerk)
MPU	MPU - Weight: Status	67 – 67	P = Pending, F = Final
MPU	Mail Piece Unit – Class	93 – 93	1 = First Class or 3 = Std Mail depending on class of mail
MPU	Postage Affixed Type	135 – 135	Leave blank

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Mail.dat® - Glossary Of Unique Term Usage

Parent Container

To accommodate the use of sacks or trays presented on pallets (or any container upon another container), Mail.dat® uses the concept of the Parent Container. A Parent Container is a container (most often a pallet) that has within it one or more other containers (most often sacks or trays).

A Parent Container will have its own .CSM record; however, any container that is a Parent Container will not have specific direct representation in the lower record types (such as .CQT or .PQT) below the .CSM record type. For example, the Pallet (a Parent Container) will only be connected to the associated pieces by the Parent Container - Child Container relationship of the tray (Child Container) that actually holds those pieces.

Only the lowest Child Container will be referenced in the .CQT and .PQT records. Therefore, packages will be identified by the Container ID of the Child, which in turn will associate those pieces with the Parent Container.

Sibling Container

In the event of a Sibling Container, then the Mail.dat® Container ID of the original affected container is populated in the Sibling Container ID field of the Sibling Container. A Sibling Container is one necessitated by a severe under-estimate of the piece weight; thereby, requiring the mailing facility to create another (the Sibling) container to accept the overflow. Sibling Container ID field identifies the original container with which this Sibling Container is associated, if such relationship exists. If no such relationship, then the field is blank.

A Sibling Container will have its own .CSM record; however, only the following fields are required to be populated: Job ID, Segment ID, Container Type, Container ID (new serial number for the new container), Sibling Container Indicator, Sibling Container ID (referencing the original container necessitating the overflow) and the CSM Record Status, and Closing Character. No fields are populated that are related to the exact distribution of the Sibling. If a Sibling Container exists, then the original and the overflow pallets must always be considered as a set. This is why Sibling flags are set in the both the .SEG and .CPT records.

While the original and sibling container are considered a set, the respective Sibling container may have a physical characteristics different than the original container. For this reason the Sibling may also have the following fields included: Unique Container ID, Container Gross Weight, Container Gross Weight Source, Container Height and Container Height Source, Special Condition On Limit, Label: 24-Character Container Barcode, etc .

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Mail.dat® 8.1.1.0 Record Layout Changes Compared to Mail.dat® 8.1.0.3 Errata version 1.1

GENERAL CHANGES

FILE AND FIELD SPECIFIC CHANGES

MAIL PIECE UNIT ID - .mpu

1. Added new rate types in support of Periodical Circulation rates; W = Science of Agriculture Limited Circulation
   Y = Regular Limited Circulation.

COMPONENT - .cmp

1. Added new rate types in support of Periodical Circulation rates; W = Science of Agriculture Limited Circulation
   Y = Regular Limited Circulation.

CONTAINER SUMMARY RECORD - .csm

1. Added ‘S’ flag for Container level “AJ” and changed the name of Container Level ‘AJ = Single Piece Tray (T)’ to ‘AJ = Single Piece (T, S)’.
2. Added “Leading unknown items - fill with ‘X’, trailing unknown items fill with spaces” to the definition of IM barcode lower/upper Serialization fields.

CONTAINER QUANTITY RECORD - .cqt

1. Added Periodicals to Standard Flats and letters code for L6 = MxADC Non-BC

Mail.dat 8.1.0.3 Errata 1.1 Changes As Compared to Mail.dat 8.1.0.3 Errata 1.0

CONTAINER SUMMARY RECORD - .csm

1. Added a ‘T’ flag for Tray under Container Level value of ‘U’ for 3DG merged “3 Digit (CR, Auto, Presort) » containers.

Mail.dat 8.1.0.3 Errata 1.0 Changes As Compared to Mail.dat 8.1.0.3

1. Made some editorial changes in IAK file, CSM definitions section, and MPA Permit Zip + 4 field; while adding back the user option field in the Segment record.
2. Removed “rates, weights” from page 11 description of package quantity file. Edited typos in CSM Container Ship Date field.
3. Removed “*** = A triple asterisk (***) in the Length Description of a Field (ex: 30***) indicates the field is required for USPS International Mail” from page 18.

INFORMATION ACCESS KEY RECORD - .iak

1. Added an * to the IAK record Status field, making it mandatory.
2. Under definitions section for IAK, changed the IAK-1113 for the IAK Record Status field to IAK-2000 and changed the IAK-1012 for the Closing Character to IAK-9999.

MAILER POSTAGE ACCOUNT RECORD - .mpa

3. Changed the denotation for the Permit Zip + 4 field from three (***) asterisks to two (**) asterisks and noted under definitions that the Permit Zip + 4 field is required for PostalOne! For all classes of mail except for Periodicals mail.

SEGMENT RECORD - .seg

1. Added back the User Option Field in position 263 – 282 in the reserve area.
2. Clarified definition of Less than a Presort , where Y = Partial and N = Full presort

CONTAINER SUMMARY RECORD - .csm

1. Changed the programming code for Entry Point - Actual/Delivery - Locale Key from CSM-1164 to CSM-1167 and changed the programming code for Entry Point – Actual/Delivery - Postal Code from CSM-1165 to CSM-1168

Mail.dat 8.1.0.3 Changes As Compared to Mail.dat 8.1.0.2

1. Made some editorial changes under the Table of Contents Section.
2. Removed the “Record Layouts with Exhibit Data” section completely from the Spec.
3. Final formatting of the Spec and updated page numbers in Table of Contents Section.

SEGMENT RECORD - .seg

1. Increased the length of Static Planet Code field from 13 bytes to 15 bytes and added the following to the description and definition section:

   “Mailers who create IM™ barcodes for Service Performance Measurement using OneCode Confirm™ can use the 15 byte field to denote Mailer ID + Serial Number combination for tracking purposes.”

2. Changed field positions from Static Planet Code through the Closing Character.

CONTAINER SUMMARY RECORD - .csm

1. Under Destination Entry and Entry Point Identification Scenario modified “3 Digit Zip of Facility” to "3/5 digit zip of facility" under Drop Ship, zone skip and BMEU. Also at the start of this scenario example, mentioned above, added a statement: “Usage (The following is a US and USPS specific scenario and does not consider International Facility identification):”

Mail.dat 8.1.0.2 Changes As Compared to Mail.dat 8.1.0.1

Made some editorial changes under the Section “Using the Database”.

Replaced the Sun symbol ☼ with the symbol of dagger 

SEGMENT RECORD - .seg – Under Record Layout with Exhibit Data

1. Fixed positions to match the Segment positions under Record Layout section.
2. Added “The field is A/N to allow padding with zeros.” Under description for Job Id and Segment ID fields.

MAILER POSTAGE ACCOUNT RECORD - .mpa

1. Reverted USPS Pub No data type to A/N and added comment that “The field is A/N to allow padding with zeros.”

CONTAINER SUMMARY RECORD - .csm

1. Removed Facility Type flags, Y and Z for RDC and DPC Facility types.
2. Removed E, F, and L Flags from Container Level for DPC and RDC Container levels.
3. Changed “Entry Point – Actual/Physical Locale Key” TO “Entry Point – Actual/Delivery Locale Key”
4. Changed “Entry Point – Actual/Physical Postal Code” TO “Entry Point – Actual/Delivery Postal Code” and changed the description to denote that this field is to be filled with delivery address from the Drop Ship Product, instead of the Physical address form the Drop Ship product.
5. Added new field IDs for “Entry Point – Actual/Delivery Locale Key” and “Entry Point – Actual/Delivery Postal Code” under Definitions and kept old Field ID CSM 1107 and 1107 and marked them as deleted.
6. The following Scenarios had been part of the 08-1 Spec since 8.1.0.0 but were not documented as change sin this Change section “Physical/Logical Trays and Pallets” and “Destination Entry – Entry point identification”.
7. The Destination Entry – Entry Point Identification was further modified from 8.1.0.1 to 8.1.0.2 to depict changes in field names and descriptions.

CONTAINER QUANTITY RECORD - .cqt

1. Deleted Flags from the Rate category field with Values of F, J, and JF, C, Q, I, U, M, P, R, T, V, W, Z.

Mail.dat 8.1.0.1 Changes As Compared to Mail.dat 8.1.0.0

Removed Jean Rennier as part the Steering Committee table.

Changed Conformance Committee to Editorial Committee under Conformance obligations.

SEGMENT RECORD - .seg

1. Replaced TP = 20 pounds with TP = Weight under Standard Mail Sacking Criteria.
2. Deleted User option field position 163 – 182 and merged with Reserve.
3. Changed positions of ALL fields from 'Packaging Services Packaging Criteria' through the Reserve field.

MAILER POSTAGE ACCOUNT RECORD - .mpa

1. Fixed the description of MPA Record Status filed – Editorial fix.

COMPONENT RECORD - .cpt

1. Changed the size of Reserve from 56 to 76.

CONTAINER SUMMARY RECORD - .csm

1. Marked Container Level, E, F, L, and W for deletion in a future major release.
2. Added more content to the description of Entry Point Actual Physical Postal Code "The ZIP + 4 shall be the Physical address Zip + 4 from the USPS Drop Ship Product."

Mail.dat® 08-1 Record Layout Changes Compared to Mail.dat® 07-1

GENERAL CHANGES

FILE AND FIELD SPECIFIC CHANGES

HEADER RECORD - .hdr

1. Changed value of IDEAlliance Version to '08-1'.
2. Deleted 'Actual Tray File Record Count' and replaced with 'Information Access Key Record Count'.
3. Deleted 'Actual Tray File Status' and replaced with 'Information Access Key File Status'.
4. Deleted 'Actual Pallet File Record Count'.
5. Deleted 'Actual Pallet File Status'.
6. Changed Positions of ALL fields from 'Mail.dat Presentation Category' through the Closing character.
7. Changed size of "User Option' field.

SEGMENT RECORD - .seg

1. Deleted 'Reserve' in Position 86.
2. Changed positions of all fields from 'production Setup Code' through the Closing character.
3. Changed the name of 'Periodical and Bundle Charge Method' field to 'Container and Bundle Charge Method'.
4. Changed description of 'Container and Bundle Charge Method ' from '3 – proportion by pieces to each of the publications to '3 – proportion by copies to each of the publications'.
5. Changed 'MPA ID for Periodical and Bundle Charge Method' field name to 'MPA ID for Container and Bundle Charge Method'.
6. Added 'bundle' to the description of 'MPA ID for Container and Bundle Charge Method'.
7. Added 'Seamless Acceptance Indicator' field.
8. Added 'Less than a Presort Segment Presentation' field.
9. Changed size of 'Reserve' from 120 to 119.

MAIL PIECE UNIT RECORD - .mpu

1. Marked ‘Mail Piece Unit - Periodical Ad %’ for deletion in a future release.
2. Marked ‘MPU - Periodical Ad %: Status’ for deletion in a future release.
3. Marked ‘Five Digit Scheme Database Date’ for deletion in a future release.
4. Deleted ‘Reserve’ 111-121.
5. Changed Position of ALL fields from ‘Sibling Container Mailing’ through Closing Character.
6. Changed description of ‘Flat Machinability’ from ‘U = Machinable on USFM 1000, claims non-machinable rate’ to ‘U = Machinable on USFM 1000’.
7. Changed Size of Reserve from 51 to 62.

MPU/C RELATIONSHIP RECORD - .mcr

1. Deleted ‘Mailing List Code’ from the description of Segment id.

MAILER POSTAGE ACCOUNT RECORD - .mpa

1. Changed the Data Type of ‘USPS Publication Number’ to ‘N’ from ‘A/N’.
2. Swapped position of ‘Reserve’ with ‘MPA Record Status’ field.
3. Deleted part of the description from the Mailing facility Identifier field

from

‘Note: Use 9 or 15 bytes to represent an actual DUNS number. Use 8 to10 bytes to represent a USPS-assigned Customer Company ID. Use 12 bytes to represent the FAST Scheduler ID. This change was done in 07-01 on USPS FAST Program’s request to allow access to information to different entities associated with one appointment.’

to

‘Note: Use 9 or 15 bytes to represent an actual DUNS number. Use 8 to10 bytes to represent a USPS-assigned Customer Company ID. ’.

COMPONENT RECORD - .cpt

1. Added new code of ‘I = First Class Permit Reply Mail’ in the description of ‘Component-Rate Type’ field.
2. Increased the size of ‘Mail Owner's Mailing Reference ID’ from 24 to 50.
3. Changed positions of all fields from ‘Mail Owner's Mailing Reference ID’ through the Closing character.
4. Changed size of Reserve from 82 to 56.

CONTAINER SUMMARY RECORD - .csm

1. Added new container types codes to the Container Type field :
   H = EIRS 61 – Hamper, Large Canvas
   A = EIRS 61P – Hamper, Large Plastic
   G = EIRS 66 – General Purpose Mail Container w/Gate
   D = EIRS 68 – Eastern Region Mail Container w/Web Door
   R = EIRS 84 – Wire Container Rigid
   C = EIRS 84C – Collapsible Wire Container
2. Added new code of ‘AJ’ for ‘Single Piece Tray’ to the Container Level field.
3. Change name and description of ‘Entry Point Actual/Physical Postal Code ‘ to ‘Entry Point Actual/Physical Locale Key’ with the description ‘US = LOCA12345 (LOC plus 6 bytes of the Locale key from the drop ship product); ‘ORIGIN’ for origin entered mail; CAN =A1A 9Z9 ‘FOR’ for International mail. See Definitions Section for alternatives for populating this field.’ See definitions for more details.
4. Changed name, description and size of ‘Entry Point Actual/Physical Facility Type’ to ‘Entry Point Actual/Physical Postal Code’ with the description ‘ZIP + 4 of building receiving the mail; ZIP + 4 of DMU for DMU entered mail’.
5. Changed description of ‘Stop Designator’ field to ‘Stop order and stop “1” will be the first stop (i.e., what is loaded in the tail)’.
6. Added new fields of ‘Container Ship Time’; ‘Container Pick Up Date’; and ‘Container Pick Up Time’.
7. Changed positions of ALL fields from ‘Container Ship Time’ through closing character.
8. Added a new flag of ‘D = Delete’ for the ‘Container Status’ field.
9. Changed description of Machinable Mail Piece from

   ‘Y = Machinable, no surcharge, Container Label gets "MACH"
   N = Manual, Non-Mach Surcharge and Cont Label gets MAN"
   U = Unaffected Container, Pall, Scks, Trys of Non-Auto letters.
   A = No Surcharge; Tray Label says "MAN" (Simplified Mail)’ TO

   ‘Y = Letters - Machinable, no surcharge, Container Label gets "MACH"
   N = Letters -Manual, Non-Mach Surcharge and Cont Label gets MAN"

U = Unaffected Container
A = Letters - No Surcharge; Tray Label says "MAN" (Simplified Mail)'.

10. Marked 'Protected Container Status'; 'Container Presort Content'; 'Geographic Scheme Level'; 'Production Machine ID'; 'Container Level Attempted'; 'Zebra Stripe" Indicator' for deletion in a future release.
11. Added new field 'FAST Scheduler ID'.
12. Changed Reserve size from 58 to 103.

INTERNATIONAL CONTAINER LABEL RECORD - .icl

1. Marked the whole .icl file for deletion in a future release.

CONTAINER QUANTITY RECORD - .cqt

2. Marked 'ZAP Agent Code' for deletion.

WALK SEQUENCE RECORD - .wsr

1. Marked 'ZAP Agent Code' for deletion in a future release.

PIECE DETAIL RECORD - .pdr

1. Added new Field ' Machine ID'
2. Added new field 'Mailer ID of Mail Owner'.
3. Added new field 'Mailer ID of Barcode Applicator'
4. Added new field 'Move Update Method'.
5. Changed Reserve size from 16 to 18.
6. Changed Record size from 144 to 180.

MANIFEST INDIVIDUAL RECORD - .mir

1. Changed field name from 'Pkg Ser or Parcel Barcode Disc Indicator' to 'Barcode Discount Or Surcharge Indicator' and description from 'See previous - PQT ' to 'See previous – CQT'.

ADDED NEW FILE

INFORMATION ACCESS KEY FILE – iak

DELETED FILES
ACTUAL TRAY FILE RECORD
ACTUAL PALLET FILE RECORD


IDEAlliance
International Digital Enterprise Alliance