



PER/ZIP4 Newsletter **February, 2024**

PER/ZIP4 Monthly Update

The PER/ZIP4 update for February, 2024 is enclosed. This update includes the February, 2024 USPS Address Information Systems (AIS) data. The AIS data is valid until **04/30/2024**. The next regular update will be sent to you in March, 2024.

This PER/ZIP4 update is Certified for CASS Cycle "O". CASS Cycle "O" certification expires on **July 31, 2028**.

***** PER/ZIP4 Monthly Updates Now Available via Download *****

The PER/ZIP4 monthly updates can now be downloaded. Complete instructions are available on our website at: <https://worksright.com/wp-content/uploads/2022/05/PERDIInst.pdf>

PER/LLK (LACS^{Link™} Interface), PER/DPV (Delivery Point Validation) and PER/SLK (A Suite^{Link™} Interface)

PER/LLK, PER/DPV, PER/SLK and the entire USPS National +4 database are now automatically installed with PER/ZIP4.

Optional PER/ZIP4 Databases

Many optional PER/ZIP4 databases are available to be installed and used at no additional cost. These databases allow PER/ZIP4 to return additional data for valid addresses. Once optional databases are installed, they will be preselected for installation when future updates are installed. The optional databases available for no additional cost include:

- eLOT database
- DPV Door not accessible database
- DPV Throwback database
- DPV Vacant database
- DPV Drop site database
- DPV No-Stats reason code database
- DPV No secure location database
- DPV Non-Delivery days database

PER/RDI

PER/RDI software and data are included on the DVD-ROM provided. If you are a PER/RDI subscriber, you can install the PER/RDI update by selecting the **RDI database** for installation. If you select the RDI database for installation, it will be installed with PER/ZIP4. Once the RDI database is selected for installation, no additional steps are required.

HyPER/Sort

HyPER/Sort is included on the DVD-ROM provided. If you are a HyPER/Sort subscriber, you can install the HyPER/Sort update by selecting HyPER/Sort for installation. If you select HyPER/Sort for installation, it will be installed with PER/ZIP4. Once HyPER/Sort is selected for installation, no additional steps are required.

The following instructions can be used to install this PER/ZIP4 update using the enclosed optical media. **More detailed installation instructions (including screen shots) can be found in the *README PDF* document located on the PER/Mail DVD-ROM (Volume 1).**

Installation Instructions

1. Sign off and sign on again before installing PER/ZIP4 to insure a "clean session".
2. Make sure that you sign on as a user with both *ALLOBJ and *SECADM special authorities.
3. Please be sure that QTEMP is in your library list.
4. Load the PER/Mail DVD-ROM (Volume 1) into your IBM AS/400-iSeries-System i optical drive.
5. The installation involves only one command;

Type: **LODRUN DEV(device name)** and then press ENTER.

6. Follow the prompts.

After the installation is complete, we suggest you immediately sign off and sign on again as any user. Use the STRPERZIP4 command on any command line to display the PER/ZIP4 main menu. Then code an address using the PER/ZIP4 menu option three. This is to insure that the software has been installed correctly.

If you have any questions regarding PER/ZIP4 or the installation of this update, contact:

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PER/Mail ***CASS Cycle “O” Version*** ***Installation Overview***

The previous version of PER/Mail (Certified for CASS Cycle “N”) was delivered on a single DVD-ROM. With the introduction of new *optional* databases provided by the USPS, the CASS Cycle “O” version of PER/Mail is delivered on two DVD-ROMs. If you are downloading PER/Mail monthly updates, the CASS Cycle “O” version of PER/Mail is still provided in a single ISO image.

Standard installation of the CASS Cycle “O” version of PER/Mail is very similar to the installation of prior versions; i.e. **LODRUN DEV(device name)**. We have organized the two volume DVD-ROM set so that the second DVD-ROM is only required if you are installing HyPER/Sort or any of the *optional* databases for PER/ZIP4.

We have also taken this opportunity to introduce an often requested option to install PER/Mail updates in a batch environment; completely unattended. After assigning and saving auto-load values, the unattended installation can be initiated by executing the new **PERAUTOLOD DEVICE(device name)** command. The new **PERAUTOLOD** command can be run interactively, submitted to batch, or incorporated into a CL program.

Install While Active

The installation process for PER/Mail allows for the installation of PER/Mail updates while users are actively using the product.

The *Install While Active* feature relies on the library structure for PER/Mail. In addition to the base libraries MLCTRL and MLLIBR, there is also an additional separate library for each month’s update. The monthly update libraries follow the naming convention MLyyymm_v. Where yy is the year, mm is the month, and v is the version (A, B, C, etc.) of the update. For example the June 2023 PER/Mail update library name is ML2306A.

When utilizing PER/ZIP4 callable programs within your applications, you only need to make sure that the base libraries MLLIBR and MLCTRL are in the user’s library list. PER/Mail will handle editing the user’s library list with the update specific library, MLyyymm_v.

Host Up To Three Versions

The installation process and PER/Mail allow up to three versions of PER/Mail to exist on your system simultaneously. This allows you to install and test a new version of PER/Mail before placing it into production. This also allows you to revert back to a previous version of PER/Mail in the event you discover an issue with the latest version of PER/Mail after it has been placed into production.

We refer to the three installed versions of PER/Mail as *TEST*, *PRODUCTION*, and *PREVIOUS*. By default, all users access the *PRODUCTION* version of PER/Mail. *TEST* and *PREVIOUS* versions are accessible by using a parameter on the **STRPERZIP4** command.

To access the *PREVIOUS* version of PER/Mail, type: **STRPERZIP4 *PREV**. To access the *TEST* version of PER/Mail, type: **STRPERZIP4 *TEST**. To access the *PRODUCTION* version of PER/Mail, just type: **STRPERZIP4** as you always have.

New PER/Mail updates can be installed as *TEST* or *PRODUCTION* versions. If a PER/Mail update is installed as a *TEST* version and there is already a *TEST* version installed, the existing *TEST* version is removed from your system.

If a PER/Mail update is installed as a *PRODUCTION* version, the existing *PREVIOUS* version (if any) is removed from your system, the existing *PRODUCTION* version becomes the *PREVIOUS* version, and the newly installed update becomes the *PRODUCTION* version.

If you do not wish to deal with the complexity of managing three versions, you can simply accept the default values and install your updates to the *PRODUCTION* environment.

Managing The *PRODUCTION* Version

With up to three versions of PER/Mail installed, the ability to manipulate the versions between *TEST*, *PRODUCTION*, and *PREVIOUS* environments becomes necessary. The command **PERSETVER** is available to support this function.

The **PERSETVER** command establishes either the current *TEST* version or the current *PREVIOUS* version as the new *PRODUCTION* version. The **PERSETVER** command can be executed at any time; even while users are actively using PER/Mail. The **PERSETVER** command has no immediate effect on users. Each user will begin using the newly established *PRODUCTION* version only after exiting and returning to the PER/ZIP4 application.

To promote a *TEST* version of PER/ZIP4 to *PRODUCTION* use the following command:

MLLIBR/PERSETVER *TEST

This will cause the existing *PREVIOUS* version (if any) to be removed from your system, the existing *PRODUCTION* version to become the *PREVIOUS* version, and the existing *TEST* version to become the *PRODUCTION* version.

To revert back to a *PREVIOUS* version of PER/Mail, use the following command:

MLLIBR/PERSETVER *PREV

This will cause the existing *TEST* version (if any) to be removed from your system, the existing *PRODUCTION* version to become the *TEST* version, and the existing *PREVIOUS* version to become the *PRODUCTION* version.

The following pages provide step-by-step instructions for installing PER/Mail and PER/Mail monthly updates.

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Installation

PER/Mail updates can be installed at any time. There is no need to have users exit the PER/ZIP4 application. And, there is no reason to wait for an after-hours opportunity. This is thanks to the *Install While Active* feature.

Installation Authority

The user installing PER/Mail must have *ALLOBJ and *SECADM special authorities. These special authorities are required to allow the installation process to delete, create, and modify libraries, objects, and user profiles. If the installing user doesn't have adequate authority, the installation will not run properly.

Step-By-Step Instructions

Follow these simple steps to install the PER/Mail update:

1. Sign off and sign on again before installing PER/Mail to insure a "clean session". Make sure that you sign on as a user with both *ALLOBJ and *SECADM special authorities.
2. Please be sure that QTEMP is in your library list.
3. If loading from DVD-ROM, load the PER/Mail DVD-ROM Volume 1 into your system's DVD drive.
4. If loading from virtual optical, make sure the image catalog entry is mounted and the image catalog is loaded into your virtual optical device.
5. The installation involves only one command;
Type: **LODRUN DEV(device name)** and then press ENTER.
6. If loading from DVD-ROM, you may be prompted to load the DVD-ROM Volume 2. If prompted, load the PER/Mail DVD-ROM Volume 2 into your system's DVD drive and reply to the associated message with a "G" to continue the installation.

The next few pages display and explain the screens that you will see during the installation process.

The first screen displayed during installation will look similar to the following:

```
PER/MAIL - PRODUCT MANAGEMENT                               System:  S78442CX

Installing the system for the first time . . .

  The following libraries will be created: MLCTRL, MLLIBR,
  MLyyymm (yy = year, mm = month, v = version)

Installing a release upgrade . . .

  The following library will be created: MLyyymm (yy = year,
  mm = month, v = version)

Call WorksRight Software, Inc. at (601) 856-8337 if you have
any non-PER libraries with these names.

Press Enter to continue.

-----
F3=Exit
```

When the screen above is displayed, press ENTER.

The next screen displayed during the installation process allows you to indicate which product(s) you wish to install and whether you wish to install to *TEST* or *PRODUCTION*. The screen will look similar to the following:

```

PER/MAIL - PRODUCT MANAGEMENT
System: S78442CX
Media level: 2305A
Device: OPTVIR

Type options, press Enter.
1=Install 4=Delete

Opt Product Type Description Size Prev Prod Test
(MB) Level Level Level
1 PER/ZIP4 Base Postal coding 3628 2304A
1 PER/ZIP4 Option eLOT database 355 2304A
- PER/ZIP4 Option DPV Drop site database 4
- PER/ZIP4 Option DPV Door not accessible database 4
- PER/ZIP4 Option DPV No-Stats reason code database 256
- PER/ZIP4 Option DPV Throwback database 64
- PER/ZIP4 Option DPV No secure location database 4
1 PER/ZIP4 Option DPV Vacant database 4 2304A
- PER/ZIP4 Option DPV Non-Delivery days database 20
1 PER/ZIP4 Option RDI database 80 2304A
1 HyPER/Sort Base Postal presorting 76 2304A

P P = load to production, T = load to test

F3=Exit F10=Set install values for auto load

```

Currently installed products and databases will be preselected.

As explained in the *Host Up To Three Versions* section of this document, if a PER/Mail update is installed as a *TEST* version and there is already a *TEST* version installed, the existing *TEST* version is removed from your system.

If a PER/Mail update is installed as a *PRODUCTION* version, the existing *PREVIOUS* version (if any) is removed from your system, the existing *PRODUCTION* version becomes the *PREVIOUS* version, and the newly installed update becomes the *PRODUCTION* version.

The PER/ZIP4 database, PER/DPV, PER/LLK, and PER/SLK are all installed with the PER/ZIP4 Base Postal Coding selection. They are not listed separately because they are all required components. The remaining optional databases are listed separately.

eLOT Database

The optional PER/ZIP4 component *eLOT database* should be selected if you are using PER/ZIP4 to populate eLOT fields in your database. The eLOT number is a sequential number that indicates the order in which add-on codes are arranged within a given carrier route. eLOT information is used to qualify mailings for carrier route sortation discounts. **There is no additional cost for this PER/ZIP4 optional component.**

DPV Drop Site Database

The optional PER/ZIP4 component *DPV drop site database* should be selected if you would like to use PER/ZIP4 to populate the DPV drop indicator field in your database. The *DPV drop site database* is provided by the USPS as part of the Delivery Point Validation (DPV) data set. **There is no additional cost for this PER/ZIP4 optional component.**

This database allows PER/ZIP4 to return a one character field indicating whether or not a valid delivery point receives mail in a single receptacle or at a single drop site that services multiple dwellings or businesses or primary or secondary addresses. The DPV drop site indicator field will be populated with one of the following values:

- Blank = The address does not DPV confirm (is not a valid delivery point)
- N = The address does not receive mail in a single receptacle or at a single drop site that services multiple dwellings or businesses or primary or secondary addresses
- Y = The address does receive mail in a single receptacle or at a single drop site that services multiple dwellings or businesses or primary or secondary addresses

Prior to the CASS Cycle “O” version of PER/Mail, the *DPV drop site database* was not available. This is a new feature for PER/ZIP4.

DPV Door Not Accessible Database

The optional PER/ZIP4 component *DPV door not accessible database* should be selected if you would like to use PER/ZIP4 to populate the DPV door not accessible indicator field in your database. The *DPV door not accessible database* is provided by the USPS as part of the Delivery Point Validation (DPV) data set. **There is no additional cost for this PER/ZIP4 optional component.**

This database allows PER/ZIP4 to return a one character field indicating whether or not a valid delivery point is an address where carriers cannot knock on a door for mail delivery. Examples include situations where carriers cannot physically access a residence/building, such as a rural/highway contract route (HCR) long driveway or gated residence.

The DPV door not accessible indicator field will be populated with one of the following values:

- Blank = The address does not DPV confirm (is not a valid delivery point)
- N = The address is not an address where carriers cannot knock on a door for mail delivery
- Y = The address is an address where carriers cannot knock on a door for mail delivery

Prior to the CASS Cycle “O” version of PER/Mail, the *DPV door not accessible database* was not available. This is a new feature for PER/ZIP4.

DPV No-Stats Reason Code Database

The optional PER/ZIP4 component *DPV No-Stats reason code database* should be selected if you would like to use PER/ZIP4 to populate the DPV No-Stats reason code field in your database. The *DPV No-Stats reason code database* is provided by the USPS as part of the Delivery Point Validation (DPV) data set. **There is no additional cost for this PER/ZIP4 optional component.**

This database allows PER/ZIP4 to indicate why a particular address is flagged as a No-Stats by the USPS. Addresses flagged as No-Stats are addresses not currently receiving mail delivery.

This database allows PER/ZIP4 to return a two character field indicating the reason a particular address is flagged as a No-Stats by the USPS. The DPV No-Stats reason code field will be populated with one of the following values:

- Blank = The address is not flagged as a No-Stat
- 1 = IDA (Internal Drop Address) – Addresses that do not receive mail directly from the USPS, but are delivered to a drop address that services them
- 2 = CDS No-Stat – Addresses that have not yet become deliverable. For example, a new subdivision where lots and primary numbers have been determined, but no structure exists yet for occupancy
- 3 = Collision – Addresses that do not actually DPV confirm
- 4 = CMZ (College, Military and other Other Types) – ZIP+4 records the USPS has incorporated into the data
- 5 = Regular No-Stat – Indicates addresses not receiving mail delivery
- 6 = Secondary Required – The address requires secondary information

Prior to the CASS Cycle “O” version of PER/Mail, the *DPV No-Stats reason code database* was not available. This is a new feature for PER/ZIP4.

DPV Throwback Database

The optional PER/ZIP4 component *DPV Throwback database* should be selected if you would like to use PER/ZIP4 to populate the DPV throwback indicator field in your database. The *DPV Throwback database* is provided by the USPS as part of the Delivery Point Validation (DPV) data set. **There is no additional cost for this PER/ZIP4 optional component.**

This database allows PER/ZIP4 to identify valid street addresses where mail delivery is made to the addressee's PO Box instead of the street address. The DPV throwback indicator field will be populated with one of the following values:

- Blank = The address does not DPV confirm (is not a valid delivery point)
- N = The address is not a street address where mail delivery is made to the addressee's PO Box instead of the street address
- Y = The address is a street address where mail delivery is made to the addressee's PO Box instead of the street address

Prior to the CASS Cycle "O" version of PER/Mail, the *DPV Throwback database* was not available. This is a new feature for PER/ZIP4.

DPV No Secure Location Database

The optional PER/ZIP4 component *DPV No secure location database* should be selected if you would like to use PER/ZIP4 to populate the DPV No secure location indicator field in your database. The *DPV No secure location database* is provided by the USPS as part of the Delivery Point Validation (DPV) data set. **There is no additional cost for this PER/ZIP4 optional component.**

This database allows PER/ZIP4 to identify valid street addresses where the door is accessible, but a package will not be left due to security concerns. The DPV No secure location indicator field will be populated with one of the following values:

- Blank = The address does not DPV confirm (is not a valid delivery point)
- N = The address is not considered non-secure. Packages mailed to the address can be left at the door
- Y = The address is considered non-secure. Packages mailed to the address will not be left at the door

Prior to the CASS Cycle "O" version of PER/Mail, the *DPV No secure location database* was not available. This is a new feature for PER/ZIP4.

DPV Vacant Database

The optional PER/ZIP4 component *DPV Vacant database* should be selected if you would like to use PER/ZIP4 to populate the Occupancy code and DPV Vacant indicator fields in your database. The *DPV Vacant database* is provided by the USPS as part of the Delivery Point Validation (DPV) data set. **There is no additional cost for this PER/ZIP4 optional component.**

This database allows PER/ZIP4 to identify valid addresses that received mail in the past but are currently vacant (in most cases unoccupied over 90 days) and are not receiving mail delivery. If an address DPV confirms (DPV confirmation indicator = “Y”), the Occupancy code field will be populated with one of the following values:

- Blank = If the address DPV confirms, it is presumed to be occupied
- N = No-Stats (mail delivery to this address has not started)
- V = Vacant (this address is currently vacant)

The DPV Vacant indicator field will be populated with one of the following values:

- Blank = The address does not DPV confirm (is not a valid delivery point)
- N = The address is not considered Vacant. The address is receiving mail delivery
- Y = The address is considered Vacant. The address is not receiving mail delivery

Prior to the CASS Cycle “O” version of PER/Mail, the *DPV Vacant database* was installed as part of the *Occupancy database* component of PER/ZIP4. If you were previously installing the *Occupancy database* component of PER/ZIP4, the *DPV Vacant database* will be pre-selected for installation.

DPV Non-Delivery Days Database

The optional PER/ZIP4 component *DPV Non-Delivery days database* should be selected if you would like to use PER/ZIP4 to populate the DPV Non-delivery days indicator and values fields in your database. The *DPV Non-Delivery days database* is provided by the USPS as part of the Delivery Point Validation (DPV) data set. **There is no additional cost for this PER/ZIP4 optional component.**

This database allows PER/ZIP4 to identify valid addresses where mail is not delivered every day of the week. One example would be a business that is closed on Saturdays and does not want mail delivered on that day. Another example would be mail routes where mail is delivered on Monday, Wednesday, and Friday only.

The DPV Non-delivery days indicator field will be populated with one of the following values:

- Blank = The address does not DPV confirm (is not a valid delivery point)
- N = The address is not in the *DPV Non-delivery days database*. Mail is delivered to this address every day of the week
- Y = The address is in the *DPV Non-delivery days database*. The DPV Non-delivery days values field will be populated to indicate which days of the week are non-delivery days

If the DPV Non-delivery days indicator field is “Y”, the DPV Non-delivery days values field will be populated with seven characters (“N” or “Y”) representing each day of the week Sunday through Saturday. Non-delivery days for the address will be represented with “Y” and active delivery days for the address will be represented with “N”.

Prior to the CASS Cycle “O” version of PER/Mail, the *DPV Non-Delivery days database* was not available. This is a new feature for PER/ZIP4.

RDI Database

The optional PER/ZIP4 component *RDI database* should be selected if you would like to use PER/ZIP4 to populate Residential Delivery Indicator and/or Business/Residential Indicator fields in your database. The *RDI database* is provided by the USPS. **The cost for this PER/ZIP4 optional component is currently \$292.00 per year.**

This database allows PER/ZIP4 to return a one character Residential Delivery Indicator indicating whether or not a valid address is a residence. The value returned will be one of the following:

- Blank = The address does not DPV confirm (is not a valid delivery point)
- N = address is not a residence (business)
- Y = address is a residence

This database also allows PER/ZIP4 to return a one character Business/Residential Indicator indicating whether a valid address is a business or residence. The value derived for this field is used as input for walk sequence carrier route presort mailings. The value returned will be one of the following:

- Blank = Business/Residential status could not be reliably determined
- B = Business
- R = Residence

HyPER/Sort - Postal Presorting

The base HyPER/Sort Postal presorting application is a companion product to PER/ZIP4. Starting with a CASS Certified mailing address file (CASS Certified by PER/ZIP4), HyPER/Sort presorts the address file into the proper sequence for obtaining the best discounted postage rates. HyPER/Sort also produces all USPS required mailing documentation (Postage Statements, Qualification Reports, and Container Labels) for the presorted mailing.

Once you identify the product(s) and optional databases you wish to install and the environment to which they should be installed (*TEST* or *PRODUCTION*), press ENTER and the following screen will be displayed:

```

                                PER/MAIL - PRODUCT MANAGEMENT
                                System:  S78442CX

P.E.R.  -----
/ SSSSSS  OOOOOO  FFFFFFF  TTTTTTTTTWWW  WW  AAAA  RRRRRR  EEEEE  /
/ SSSSSS  OOOOOO  FFFFFFF  TTTTTTTTTWWW  WW  AA  AA  RR  RR  EEEEE  /
/ SS      OO  OO  FF          TT  WW  WW  AA  AA  RR  RR  EE
/ SSSSSS  OO  OO  FFFF       TT  WW  WW  AAAAAA  RRRR  EEEE
/ SSSSSS  OO  OO  FFFF       TT  WW  W  WW  AAAAAA  RRRR  EEEE
/   SS   OO  OO  FF          TT  WW  W  WW  AA  AA  RR  RR  EE
/ SSSSSS  OOOOOO  FF          TT  WW  W  WW  AA  AA  RR  RR  EEEEE  /
/ SSSSSS  OOOOOO  FF          TT  WWW  WWW  AA  AA  RR  RR  EEEEE  /
-----
                                                    INC.

PER/ZIP4 is being installed.

```

The screen above will be displayed while PER/ZIP4 and the selected optional components are being installed. The message at the bottom of the screen will change as the installation process progresses.

When the installation process is complete the following screen will be displayed:

```

                                PER/MAIL - PRODUCT MANAGEMENT
                                System:  S78442CX

P.E.R.  -----
/ SSSSSS  000000  FFFFFFFF  TTTTTTTTWWW  WW  AAAA  RRRRRR  EEEEEEE /
/ SSSSSS  000000  FFFFFFFF  TTTTTTTTWWW  WW  AA  AA  RR  RR  EEEEEEE /
/ SS      OO  OO  FF      TT  WW  WW  AA  AA  RR  RR  EE      /
/ SSSSSS  OO  OO  FFFF      TT  WW  WW  AAAAAA  RRRRR  EEEE  /
/ SSSSSS  OO  OO  FFFF      TT  WW  W  WW  AAAAAA  RRRR  EEEE  /
/      SS  OO  OO  FF      TT  WW  W  WW  AA  AA  RR  RR  EE      /
/ SSSSSS  000000  FF      TT  WW  W  WW  AA  AA  RR  RR  EEEEEEE /
/ SSSSSS  000000  FF      TT  WWW  WWW  AA  AA  RR  RR  EEEEEEE /
-----
                                                    INC.

Software installation/deletion complete.  Press Enter to continue.
```

Press the ENTER key to return to the command line from which you executed the **LODRUN** command.

PERAUTOLOD

The **PERAUTOLOD** command allows for the installation of PER/Mail monthly updates in a batch environment; completely unattended. This function is intended to be used with virtual optical where the entire update is contained in a single image file. After assigning and saving auto-load values, the unattended installation can be initiated by executing the **PERAUTOLOD DEVICE(device name)** command. The **PERAUTOLOD** command can be run interactively, submitted to batch, or incorporated into a CL program.

Before the **PERAUTOLOD** command can be used to install PER/Mail updates, auto-load values must be assigned and saved. This is done by selecting the Product management option (option 5) from the PER/ZIP4 main menu. After option 5 is selected, press F10 to set install values for auto load. When F10 is pressed, a screen similar to the one shown below will be displayed.

```

                                PER/MAIL - PRODUCT MANAGEMENT
                                Installation values for auto load
Type options, press Enter.
  1=Install
                                System:   S10FDE81
                                Media level: *****
                                Device: PERVRTOPT

Opt Product      Type      Description
 1 PER/ZIP4      Base      Postal coding
 1 PER/ZIP4      Option    eLOT database
 1 PER/ZIP4      Option    DPV Drop site database
 1 PER/ZIP4      Option    DPV Door not accessible database
 1 PER/ZIP4      Option    DPV No-Stats reason code database
 1 PER/ZIP4      Option    DPV Throwback database
 1 PER/ZIP4      Option    DPV No secure location database
 1 PER/ZIP4      Option    DPV Vacant database
 1 PER/ZIP4      Option    DPV Non-Delivery days database
 1 PER/ZIP4      Option    RDI database
 1 HyPER/Sort    Base      Postal presorting

  P  P = load to production, T = load to test
  Y  Delete image file after installation (Y=yes N=no)

-----
F3=Exit  F10=Save  F12=Previous
```

When the screen above is displayed, select the components you wish to install using the **PERAUTOLOD** command. If you have previously selected components that you no longer wish to install, you may de-select those components.

Once the desired components have been selected for installation, specify how the update should be installed; as a *PRODUCTION* version or as a *TEST* version. And finally, specify whether or not the virtual optical image catalog entry should be deleted following installation. If you specify “N” for no, you must manually delete the image catalog entry from the image catalog before downloading another PER/Mail update.

Once all selections have been made, press F10 to save the install values for auto-load. Next, press F3 to exit the Product Management screen.

Installation Authority

The user installing PER/Mail using the **PERAUTOLOD** command must have *ALLOBJ and *SECADM special authorities. These special authorities are required to allow the installation process to delete, create, and modify libraries, objects, and user profiles. If the installing user doesn't have adequate authority, the installation will not run properly.

Step-By-Step Instructions

If you are using option 12 from the PER/ZIP4 Utility Functions menu to download PER/Mail updates, follow these steps to use the auto-load function:

1. Select option 7 from the PER/ZIP4 Main menu to access the Utility Functions menu.
2. Select option 12 from the PER/ZIP4 Utility Functions menu to download an update.
3. After the download completes, execute the **PERAUTOLOD** command. The command can be run interactively, submitted to batch, or incorporated into a CL program. The library QTEMP must be in the library list of the job running the **PERAUTOLOD** command.

The command format is as follows: **PERAUTOLOD DEVICE(PERVRTOPT)**

If you are downloading ISO images of the PER/Mail monthly updates directly from our FTP server, follow these steps to use the auto-load function:

1. Download the desired PER/Mail update ISO image
2. Add the downloaded image to your image catalog using the **ADDIMGCLGE** command
3. Load the image catalog into your virtual optical device using the **LODIMGCLG** command
4. Make sure the status for the downloaded image is Mounted
5. Execute the **PERAUTOLOD** command. The command can be run interactively, submitted to batch, or incorporated into a CL program. The library QTEMP must be in the library list of the job running the **PERAUTOLOD** command.

The command format is as follows:

PERAUTOLOD DEVICE(virtual optical device name)

The auto-load process will install all modules that were selected during setup.