

Migration Handbook

SellerXpert

Version 2.6

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Recycled and Recyclable Paper

Version 2.6

Part No. 151-06479-02

Printed in USA

99 98 10 9 8 7 6 5 4 3 2 1

Netscape Communications Corporation 501 East Middlefield Road, Mountain View, CA 94043

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About This Book

This Handbook provides instructions for migrating an existing SellerXpert system to Netscape's SellerXpert System Version 2.6. It is intended to serve as a companion to *Getting Started with Netscape SellerXpert*. Please review this entire document as well as the *Getting Started* book before you begin the upgrade process. The following topics are covered in this section:

- Before You Begin
- Audience
- Organization
- Related Documentation
- Conventions

Before You Begin

This Guide is written with the assumption that you understand the basics of relational database systems and the operating system on which you are running this software. It is also written with the assumption you have some basic background including:

- a general understanding of the Internet and the World Wide Web
- experience in setup and management of web services
- a general understanding of EDI (Electronic Data Interchange)
- experience in setup and administration of relational databases
- experience in setting up data communications systems
- an understanding of your company's electronic commerce system architecture

Before reading this Guide or any of the other documentation provided by Netscape Communications Corporation, you may find it helpful to read:

- your operating system manuals
- your relational database manuals
- *the American National Standards Institute (ANSI) X12 Electronic Data Interchange (EDI) Standards*, for a technical reference on EDI implementation (document no. ASC X12S/95-533, available from the ASC X12 Secretariat, Data Interchange Standards Association, Inc., 1800 Diagonal Road, Suite 200, Alexandria, VA 22314-2852, 703.548.7005)
and/or
the UN/EDIFACT online documentation on the World Wide Web at URL <http://www.unicc.org/unece/trade/untdd/>, for detailed information about EDI standards
- *Requirements for Inter-operable Internet EDI*, by C. Shih, M. Jansson, R. Drummond, and L. Yarbrough, at <ftp://ds.internic.net/internet-drafts/draft-ietf-ediint-req-02.txt> for information on the requirements for inter-operable EDI, background material, and an explanation of the Internet-related issues
- <http://www.openbuy.org/obi>, for information on Open Buying on the Internet

Audience

This Guide is written for the system administrator who installs and administers SellerXpert.

Organization

This Handbook is divided into the following parts:

- Chapter 1, “Overview of Changes,” providing general information on changes to SellerXpert that may affect the migration process,
- Chapter 2, “Migration Procedures,” describing the migration process step by step,
- Appendix A, “Migrating to the SellerXpert Version 2.6 Import Utility,” providing information on changes to the `acimport` data loading utility.

The *Netscape SellerXpert Site Administrator's Handbook* describes the tasks you perform after you have completed the migration process.

Related Documentation

Refer to the following documents for additional detailed information about your software:

- *Getting Started with the Netscape SellerXpert System*
- *Netscape SellerXpert Site Administrator's Handbook*
- *Netscape SellerXpert Product Designer's Handbook*
- *Getting Started with the Netscape ECXpert System*
- The CyberCash documentation set
- The Cadis documentation set

To get a copy of TAXWARE documentation, you must register with TAXWARE, INC. TAXWARE will then send you the most current TAXWARE tables and necessary manuals to maintain the TAXWARE portion of the SellerXpert system.

The online TAXWARE URL is:

<http://www.taxware.com>

For Oracle users:

- *Oracle Enterprise Server for SPARC Solaris Installation Guide*, or
- *Oracle for Solaris Installation & Configuration Guide*
- Oracle Documentation Library on CD ROM
- *Oracle for UNIX Administrator's Reference Guide*

Conventions

Typographic conventions are used throughout this manual to help you recognize special terms and instructions. These conventions are summarized in the following table.

Convention	Meaning	Example
boldface	items on the screen	Click Configure to configure the card processor.
	names of keys	Press Enter to clear the message.
boldface numbered steps	higher level descriptions of tasks you perform (more detailed instructions follow)	1. Enter the group information. Enter the name in the Group Name field, and a short description in the Description field.
<i>italics</i>	key words, such as terms that are defined in the text	If the transaction is authorized, a <i>capture</i> takes place.
	names of books	For more information, see the <i>Netscape SellerXpert Site Administrator's Handbook</i> .
	emphasis	Under <i>no</i> circumstances reveal your password.
courier font	command line input or output	Change to the SellerXpert configuration directory. <pre>\$ cd install_dir/admin/config</pre>
	text file content, such as HTML templates and configuration files	<pre><HTML> <TITLE>Netscape SellerXpert</TITLE></pre>
	code samples	<pre>sell = new Seller(); term = new Terminal();</pre>
	file names	Edit your <code>system.ini</code> file.
<i>italic courier font</i>	variable text; make your own appropriate substitutions	Change to the SellerXpert configuration directory. <pre>\$ cd install_dir/admin/config</pre>

Overview of Changes

This chapter lists changes in Netscape SellerXpert 2.6 that may affect your existing system. Please review this list before you proceed to Chapter 2, “Migration Procedures.”

The following topics are covered:

- Changes from SellerXpert 2.5
- Changes from SellerXpert 2.0/2.1

Changes from SellerXpert 2.5

- **CADIS 4.0**
SellerXpert 2.6 requires an upgrade to CADIS 4.0. Because this version of CADIS handles user logins differently from previous releases, if you plan to run the SellerXpert admin and end-user interfaces simultaneously you must purchase a multi-user license for CADIS. For information on installation and catalog migration, see *Getting Started with Netscape SellerXpert* and the CADIS 4.0 documentation.
- **Netscape Enterprise Server 3.61**
Netscape Enterprise Server 3.61 is packaged with SellerXpert 2.6. You must upgrade to this version of Enterprise Server for full Y2K compliance. See *Getting Started with Netscape SellerXpert* for more information.
- **Visibroker 3.31**
SellerXpert 2.6 includes an upgrade from Visibroker 2.0.158 to 3.31. Visibroker is automatically installed with the SellerXpert software. No additional steps are necessary.
- **JDK 1.16**
SellerXpert 2.6 includes an upgrade to the JDK version 1.16. This is automatically installed with the SellerXpert software. No additional steps are necessary.
- **User Interface**
SellerXpert now offers a choice of two sample user interface designs. This option is set in the `actra.conf` file. See *Getting Started with Netscape SellerXpert* for more information.

Changes from SellerXpert 2.0/2.1

- **CyberCash**

The CyberCash Merchant Connection Kit has been integrated with SellerXpert 2.6. Separate CyberCash software is no longer required. Procedures for making the necessary configuration changes are included in the SellerXpert installation process. See *Getting Started with Netscape SellerXpert* for more information.

- **Actuate 3.2**

If you are using Actuate Reports, you must upgrade to Actuate 3.2. Actuate 3.2 includes a report upgrade utility that is executed automatically when you run a custom report created in an earlier release of Actuate. See your Actuate documentation for further information.

- **Oracle**

SellerXpert 2.6 supports Oracle Enterprise Server versions 7.3.4 and 8.0.4. See *Getting Started with Netscape SellerXpert* for information on what changes to your configuration may be necessary.

- **ECXpert 2.0**

SellerXpert 2.6 requires that you upgrade to Netscape ECXpert 2.0. For information on changes to ECXpert, see your ECXpert documentation.

- **Tax Templates**

SellerXpert now supports templates which allow you to base tax rates and percentages at the line item level on product codes. For more information on Tax Templates, see the *Site Administrator's Handbook*.

- **Euro Support**

Support for Euro currency display is included in SellerXpert 2.6. This allows dual currency display in the catalog and some order detail screens.

Order currency, display currency, and payment currency are now treated as separate currencies. In previous releases there was only one currency, called COMMON_CURRENCY. This change means that a single order can have one currency for order, another for display, and yet another for payment. When the SellerXpert 2.6 upgrade scripts are run, all currencies default to the value of the previous COMMON_CURRENCY setting to ensure that your system's behavior does not change.

These changes are handled by the upgrade script. No further action is required. To take advantage of these new features, see the *SellerXpert Site Administrator's Handbook*.

- **Currency Conversion Tables**

Support for Euro currency conversion is included in SellerXpert 2.6. This change is handled by the upgrade script. No further action is required. For more information on currency conversion, see the *SellerXpert Site Administrator's Handbook*.

- **External Pricing API**

There has been one change to the pricing API. Previously, only order lines were passed to the pricing external API. SellerXpert 2.6 passes the complete order. If you are using the pricing API, this change will impact your system and you must modify your external API code to take this into account.

- **ADIF**

Some minor changes have been made to the ADIF since SellerXpert 2.0. If you are migrating from version 2.1, no changes are necessary. See “Post-Upgrade Tasks” on page 22 for more information.

- **acimport**

Several changes have been made to the `acimport` data loading utility. See Appendix A, “Migrating to the SellerXpert Version 2.6 Import Utility” for further information.

- **arch.settings.conf**

There are several new settings enabled for numeric and currency formats. These formats are defined by the `arch.settings.conf` file, which is located in the `$SELLER_HOME/admin/arch/` directory.

Migration Procedures

This chapter provides instructions for migrating an existing SellerXpert 2.5, 2.1 or 2.0 system to SellerXpert 2.6. Before you begin your upgrade, you should review all of *Getting Started with Netscape SellerXpert* and make the necessary preparations for the upgrade process, but do not begin installation until you have performed the database backup procedure in “Preparing to Upgrade” on page 16.

If you are migrating from SellerXpert 2.5, you do not need to upgrade your database. After you have performed the steps in “Convert CADIS Knowledge Base” on page 17, the migration process is complete. To migrate from a pre-2.5 release, perform all of the procedures in this handbook to ensure that your upgrade is successful.

The following topics are covered:

- Preparing to Upgrade
- Upgrade Components
- Post-Upgrade Tasks

Preparing to Upgrade

Backup Database

Note Netscape recommends that you do not upgrade over your existing database. If it is absolutely necessary to upgrade over the existing database, do a test run of the entire upgrade process on a copy of your database in a separate location and confirm that it was successful.

1. **Make a backup of your existing database. *This step is critical.* Without a backup, you will be unable to restore the database if you encounter a problem during the upgrade process.**

Log in as `oracle` and run the Oracle export command as follows:

```
% exp dbuser/dbpassword@ORACLE_SID
```

Make sure you export the database, grants, and tablespace data as the correct database user. Compressing the extents is optional. For detailed instructions on exporting databases, see your Oracle documentation.

2. **Create a new database user. You must have a valid database and user in order for the upgrade to succeed.**

To create a new database user:

```
% cd $SELLER_HOME/sellerxpert/domestic/version/schema/
oracle
% sqlplus system/manager@ORACLE_SID
SQL> @cr_user.sql dbuser dbpassword
```

Install the SellerXpert 2.6 Software

Make sure you have installed the ECXpert SP1 patch before continuing. Information on this patch is included in the Preinstallation Tasks section of *Getting Started with Netscape SellerXpert*.

Follow the installation instructions in the *Install the SellerXpert Software* section of *Getting Started with Netscape SellerXpert*. When you are prompted for the database user and password, provide the new user and password you created during the database backup process.

When the installation is complete, follow the steps in the next section to import the Oracle data.

Note If you are using a database name that you have used before, you should confirm that it is completely clean before you proceed. To verify this, drop and recreate the Oracle user as follows:

```
% cd $SELLER_HOME/sellerxpert/domestic/2.6/schema/
oracle
% sqlplus system/manager@ORACLE_SID
SQL> drop user dbuser cascade;
SQL> @cr_user.sql dbuser dbpassword
```

Upgrade Components

Convert CADIS Knowledge Base

The CADIS catalog conversion utility is located in `$SELLER_HOME/sellerxpert/domestic/2.6/tools/cadis`. You must run this utility on existing CADIS 3.5.1 knowledge bases to convert them to CADIS 4.0 knowledge base format.

You should have already installed CADIS 4.0 before beginning this process.

1. Before you begin, confirm that the following variables have been set:

```
PMX_LMHOST hostname
PMX_REGHOST hostname
PMX_PATH cadis351_install_dir/pmx.sol
```

2. Kill any Cadis 4.0 processes that may be running.

Note In order for the `cadiscvt` utility to run, CADIS 3.51 processes *should* be running. CADIS 4.0 processes should not be running at this time.

```
% ps -ef | grep pmx
% kill process_number
```

3. Run the `cadiscvt` utility.

```
% cd $SELLER_HOME/sellerxpert/domestic/2.6/tools/cadis
% ./cadiscvt knowledge_base_name user_id password
```

Note Use the `-verbose` flag to monitor the script's progress.

4. Run the script to convert your registry from Cadis 3.51 to Cadis 4.0.

The CADIS 3.51 registry files are in ascii format. In CADIS 4.0 they are in binary format. The `pmxcvtreg` utility copies and converts the contents of the 3.51 registry files to the 4.0 directory and format. The registry files that will be updated in your CADIS 4.0 install directory (`cadis40_install_dir/configs/registry`) are:

```
registry.di
registry.dl
registry.ds
registry.dv
registry.dx
```

To execute the conversion script, perform the following steps:

```
% cd cadis40_install_dir/bin
% pmxcvtreg -g /cadis351_install_dir/pmx.sol/configs/
registry
/cadis40_install_dir/configs/registry
```

Note Existing usernames and passwords are converted when you update the registry. If you create a new registry, the user name and password default to `admin/admin`.

5. Start the license and registry managers.

```
% cd cadis40_install_dir/scripts
% ./pmx_lm
% ./pmx_reg
```

6. The `pmxcvt17` utility converts your knowledge bases from version 1.6 to version 1.7. It will copy and convert the knowledge base files from the CADIS 3.51 directory to the 4.0 directory and format. (The example below uses the Horizon Office catalog files as example file names.)

```
horizonoffice.dc
horizonoffice.di
horizonoffice.dl
horizonoffice.ds
horizonoffice.dv
horizonoffice.dx
```

To execute the conversion script, perform the following steps:

```
% pmxcvt17 -u /cadis351_install_dir/pmx.sol/db/
knowledge_base_name /cadis40_install_dir/db/
knowledge_base_name
```

7. Start the knowledge base server(s).

```
% cd cadis40_install_dir/scripts
% ./pmx_serv
```

If the knowledge base(s) were successfully started there should be both a .log and a .jrl file in the /cadis40/logs directory for each knowledge base you defined in pmx_serv. Check the contents of the .log file to confirm that your knowledge base initialized correctly. If a .jrl file was not created, your knowledge base probably did not initialize. The information in the .log file should help you determine the cause.

If you see the following errors:

```
/export/u/cadis/pmx.sol/db/NetscapeStore.di:
Bad Release/Revision (1.6), 1.7 was expected
/export/u/cadis/pmx.sol/db/NetscapeStore.dv:
Bad Release/Revision (1.6), 1.7 was expected
/export/u/cadis/pmx.sol/db/NetscapeStore.dx:
Bad Release/Revision (1.6), 1.7 was expected
```

Type help at the prompt and enter the following command:

```
setKBPathName catalog_name /cadis40_install_dir/db/knowledge_base_name
```

For example:

```
setKBPathName HorizonOffice /cadis40/db/horizonoffice
```

If the knowledge bases did not start, the pathnames may be incorrect. To set the correct paths, run `cadis40_install_dir/bin/pmxadmin`. Enter a username and password that exists in your CADIS registry.

If you are upgrading from version 2.5, your migration process is now complete. Proceed to the *Site Administrator's Handbook* for information on configuring and running SellerXpert 2.6.

Upgrade Database

If you are upgrading from version 2.5, you do not need to upgrade your database.

If you are upgrading from versions 2.0 or 2.1, the upgrade process requires the files in the following directories:

```
$SELLER_HOME/domestic/2.6/schema/upgrade2_1_2_5/
$SELLER_HOME/domestic/2.6/schema/upgrade2_0_2_1/
```

The database upgrade process also requires the following files:

```
$SELLER_HOME/sellerxpert/domestic/2.6/lib/liblcache10.so
$SELLER_HOME/sellerxpert/domestic/2.6/lib/libldap10.so
$SELLER_HOME/sellerxpert/domestic/2.6/bin/adjload
```

You need the following information in order to run the upgrade scripts:

- *oracle_dump_file* - the oracle dump file you created in the previous section.
- *dbuser/dbpw@ORACLE_SID* - the database user name, password and database name. Example: *sx/sx@SX*
- *log_dir* - the full path and filename to use for the upgrade log file. Example: */usr/nsadmin/log.out*
- *SellerCompanyShortName* - the short name you have assigned to your Seller company. This value can be found in *\$SELLER_HOME/sellerxpert/domestic/2.6/sellerHTML/config/settings.conf*. Example: *Horizon*
- *sx_install_dir* - the full path to your SellerXpert 2.6 installation. Example: */export/CommerceXpert/sellerxpert/domestic/2.6/*

1. Import the SellerXpert 2.1 dump file into the new database user.

```
% imp dbuser/dbpassword@ORACLE_SID
import file: expdat.dmp > oracle_dump_file (press Return)
Enter insert buffer size (minimum is 4096) 30720> (press
Return)
List contents of import file only (yes/no): no > (press
Return)
Ignore create error due to object existence (yes/no): no>
(press Return)
Import grants (yes/no): yes > (press Return)
Import table data (yes/no): yes > (press Return)
Import entire export file (yes/no): no > yes (press Return)
```

- 2. If you are *not* migrating from SellerXpert 2.0, skip to the next step now. To migrate from SellerXpert 2.0, run the `sx21_datamigrate.csh` script and then proceed to the next step to complete the upgrade process.**

```
% cd $SELLER_HOME/SellerXpert/domestic/2.6/schema/
upgrade2_0_2_1
% sx21_datamigrate.csh dbuser/dbpw@ORACLE_SID log_dir
SellerCompanyShortName sx_install_dir
```

Example:

```
% sx21_datamigrate.csh sx/sx@SX /usr/nsadmin/log20.out
Horizon /export/CommerceXpert/sellerxpert/domestic/2.6
```

This script runs the following files in this order:

```
sx21_mvssfcontact.sql - Ship-from updates
sx21_rmdupcontact.sql - Remove duplicate contact records
sx21_rmsfcontact.sql - Remove ship-from contact records (Now
stored with planned shipment record)
sx21_rmsflocation.sql - Remove ship-from location records (Now
stored with planned shipment record)
sx21_rules.sql - Rule updates
```

- 3. Execute the `sx25_upgradedata.csh` script, replacing the variable names below with the correct values.**

```
% cd $SELLER_HOME/SellerXpert/domestic/2.6/schema/
upgrade2_1_2_5
% sx25_upgradedata.csh dbuser/dbpw@ORACLE_SID log_dir
SellerCompanyShortName sx_install_dir
```

Example:

```
% sx25_upgradedata.csh sx/sx@SX /usr/nsadmin/log21.out
Horizon /export/CommerceXpert/sellerxpert/domestic/2.6
```

This script runs the following files in this order:

```
sx25_rules.sql - Rule updates
sx25_prdtaxcode.sql - TAX_CODE rule updates
sx25_paymcurrency.sql - PAYMENT_CURRENCY rule updates
sx25_dispcurrency.sql - DISPLAY_CURRENCY rule updates
sx25_currconvtableid.sql - CURRENCY_CONVERSION_TABLE_ID
rule updates
sx25_currconvmodel.sql - CURRENCY_CONVERSION_MODEL rule
updates
sx25_convpriceprecis.sql - CONVERSION_PRICE_PRECISION rule
```

updates
`alter_currency.sql` - Currency table updates
 - `curdata.sql` (run by `alter_currency.sql`) - More currency table updates
`upgrade_unit_conversion_table.sql` - Unit conversion table updates
 updates
`upgrade_unitdata.sql` - Unit updates
`sx25_pgrupgrade.sql` - PRD_GRP_ROLE updates
`sx25_orpaymcurrency.sql` - Order payment currency updates
`taxtemplate.csh` - Tax template updates
 - `tax_prod_tmpl_v10.dat` (Run by `taxtemplate.csh`)
 - `taxtemplate.sql` (Run by `taxtemplate.csh`)
`sx25_algorithm.sql` - Alters the user accounts table so that all current users can log into the updated database
`sx25_taxactive.sql` - Removes all of the old tax template information

4. Check the log file to confirm that there are no major problems.

You can ignore errors of the following type:

```
ERROR at line 1:
ORA-00001: unique constraint (constraint name) violated
```

This error means the script encountered a duplicate line, and is most likely to occur if you are re-running the upgrade script.

Other common errors occur when the `csh` executable is not in your directory path, or the `ORACLE_HOME` variable is not set. Check your `.cshrc` file to confirm that these are correct.

Post-Upgrade Tasks

Edit `system.ini`

You must edit your `system.ini` file to reflect the following ADIF changes:

- In acknowledgment and ship notice, external identifiers were added to ADIF. In ship notice itself, trading ID and shipment reference are now optional.

- The date format has been changed from YY/MM/DD to YYYY/MM/DD. If date formats are not changed, the system will be unable to process ADIF files.
- In 850 ADIF (outbound order) it is now possible to modify parts of the HREC record.

Uncomment the following lines:

```
#data_format      = UN
#version_type     = D
#doc_type         = ORDERS
#group_type      = 96A
```

Test System

Follow the instructions to start the frontend and backend servers in the SellerXpert Installation Handbook and confirm that all of the necessary processes are running. It may also be helpful to check the `tracefile.<date>` in the `sellerHTML` and `admin` directories, as well as the log files in `/tmp`.

To verify that the upgrade was successful, log into the SellerXpert end user frontend and do the following:

1. **Submit any IN PROGRESS orders that you had previously,**
or
2. **Try to create and submit a new order.**
3. **Browse through the catalog to confirm that it is working properly.**

Log into the SellerXpert admin frontend and do the following:

1. **Browse through the admin menus and confirm that nothing is broken. Verify that your Seller and Buyer companies are still set up correctly.**
2. **Confirm that the new SellerXpert 2.6 features are present in addition to the SellerXpert 2.1 features that were previously installed. For information on what new features to look for, see the *Netscape SellerXpert Site Administrator's Handbook*.**



Migrating to the SellerXpert Version 2.6 Import Utility

When migrating to this release of SellerXpert, use the `acimport` utility to import your data. The `acimport` utility has been modified since the 2.1 release of SellerXpert. No changes were made to `acimport` between the 2.0 and 2.1 releases.

This document lists each of the changes that may affect your import file.

Overview of Changes

The following modifications have been made to the `acimport` description since SellerXpert version 2.0/2.1:

- Support of loading currency data.
- The `MEMBER.PERSON` and `MEMBER.USERACCOUNT` import types are no longer supported. They have been combined to form the `MEMBER.USER` import type.
- The `OMS.UNITCONV` import type is no longer supported. It has become a part of the `OMS.UNITCONVTABLE` type.
- The `OMS.PRICECOLUMN` import type is no longer supported. It has become a part of the `OMS.PRICELIST` type.
- The `FILE` import type is no longer supported.
- The object dictionary file has taken the form of an NTV list. This allows much faster loading of object definitions.
- One discard file is generated for each `acimport` session, instead of a separate discard file for each import file. See the *Site Administrator's Handbook* for information on additional command line options.

Modifications to Object Definitions

The following object name definitions have been changed since version 2.0/2.1. See the *SellerXpert Site Administrator's Handbook* for a full description of the changes. Additional notes have been added for each object definition.

- **Member.Person**

This object has been combined with `Member.Useraccount` to create the new object `Member.User`. See the Import Utility setup chapter of the *Site Administrator's Handbook* documentation for a full description.

- **Member.Useraccount**

This object has been combined with Member.Person to create the new object Member.User. See the Import Utility setup chapter of the *Site Administrator's Handbook* documentation for a full description.

- **Oms.Unitconv**

This import type has become a part of the Oms.Unitconvtable type. See the Import Utility setup chapter of the *Site Administrator's Handbook* documentation for a full description.

These examples illustrate the old and new ways of importing a unit conversion table and the unit conversions themselves.

In previous versions of `acimport` it was necessary to load a unit conversion table and the unit conversions separately:

```
[
  object=oms.unitconvtable; operation=insert; field-delim=",";
  fields = conversion table code, description, standard flag,
    Organization Name      : value "RedEye Inc.",
    Organization Type      : value SELLER_COMPANY,
    Organization owner Name : value OrderXpert;
]
```

```
TestWeightsTable, test weight conversion table, false
```

```
[
  object=oms.unitconv; operation=insert; field-delim=",";
  fields = conversion table code,
    Organization Name      : value "RedEye Inc.",
    Organization Type      : value SELLER_COMPANY,
    Organization owner Name : value OrderXpert,
    from unit, to unit, factor;
]
```

```
TestWeightsTable, tkg, tlb, 4.4
```

```
TestWeightsTable, tlb, toz, 64
```

```
TestWeightsTable, toz, tkg, 0.00355
```

The present version of `acimport` will allow you to create the unit conversion table and the conversions together:

```
[
  object=oms.unitconvtable; operation=update; field-delim=",";
  fields = conversion table code,
    { from unit, to unit, factor },
    Organization Name      : value "RedEye Inc.",
    Organization Type      : value SELLER_COMPANY,
```

```

    Organization owner Name : value OrderXpert;
]

TestWeightsTable, \
{ (tkg1, tlb1, 4.4) }, \
{ (tlb1, toz1, 64) }, \
{ (toz1, tkg1, 0.0035) }

```

You can delete individual unit conversions from a unit conversion table using the operation **deleteconversions**. If no list of columns is provided for the 'columns' field, nothing happens. This technique may also be used to remove currency conversions from a currency conversion table.

```

[
  object=oms.unitconvtable; operation=deleteconversions;
  field-delim=",";
  fields = conversion table code,
    { from unit, to unit, factor },
    Organization Name      : value "RedEye Inc.",
    Organization Type      : value SELLER_COMPANY,
    Organization owner Name : value OrderXpert;
]

TestWeightsTable1, \
{ (tkg1, tlb1, 4.4) }

```

- **Oms.Pricecolumn**

This import type has become a part of the Oms.Pricelist type. See the Import Utility setup chapter of the *Site Administrator's Handbook* documentation for a full description.

These examples illustrate the old and new ways of importing a price list and the columns in it.

Previous versions of `acimport` required you to load a price list by loading the price list header and columns separately:

```

[object=oms.pricelist; operation=insert; field-delim=",";
  fields = list name : value testList, description,
    Organization Name      : value "RedEye Inc.",
    Organization Type      : value SELLER_COMPANY,
    Organization owner Name : value OrderXpert,
    currency, active;
]

test, USD, Yes

[object=oms.pricecolumn; operation=insert; field-delim=",";
  fields = list name : value testList, column name,
    Organization Name      : value "RedEye Inc.",

```

```

Organization Type      : value SELLER_COMPANY,
Organization owner Name : value OrderXpert;]

col1
col2
col3
col4

```

The present version of acimport allows you to create a price list and its columns together.

```

[object=oms.pricelist; operation=insert; field-delim=",";
 fields = list name, description, currency,
   active : value yes,
   { columns },
   Organization Name      : value "RedEye Inc.",
   Organization Type      : value SELLER_COMPANY,
   Organization owner Name : value OrderXpert;
]

testList, US Dollar list, USD, { (col1), (col2), (col3), (col4) }
DollarList, Canadian Dollar List, CAD, { (col1), (col2), (col3),
(col4) }

PoundsList, British Pounds List, GBP, { (col1), (col2), (col3),
(col4), (col5), (col6) }

IMFList, International Monetary Fund List, USD,

```

You can delete individual columns from price lists using the operation **deletecolumns**. If no list of columns is provided for the 'columns' field, nothing happens.

```

[
  object=oms.pricelist;
  operation = deletecolumns;
  field-delim=",";
  fields = list name,
  { columns },
  Organization Name      : value "RedEye Inc.",
  Organization Type      : value "SELLER_COMPANY",
  Organization owner Name : value OrderXpert;
]

testList,
PoundsList,      { (col1) }
IMFList,         { (col1), (col2), (col3), (col4) }

```

Additions to Object Definitions

The following object name definitions have been added since version 2.0/2.1. To take advantage of these new definitions, see the Import Utility chapter of the *Site Administrator's Handbook* for full descriptions and usage information.

- **member.pmtinfo**

Unlike other membership subtypes, member.pmtinfo does not require the fields 'Organization Name' and 'Organization Owner Name' in the control section. When organization data is present in the import file, an entry is made in the grp_pmt_asgt table associating this organization with each of the payment methods. In this case you must provide default values for them as usual.

- **member.user**

The import types member.person and member.useraccount have been combined to form the import type member.user.

- **oms.currency**

acimport now supports loading of currency data.

- **oms.currencyconvtable**

Import files for currency conversions are formatted exactly like those for unit conversions, except that the fields 'from currency' and 'to currency' are replaced with 'from unit' and 'to unit,' and you must provide currency codes for these. Prohibited conversions, such as Deutschmarks to French Francs, are checked by the OMS server. The operations supported for currency conversions are the same as those for unit conversions. In particular, you may use the **deleteconversions** operation to delete individual currency conversions from a table.

- **oms.freightterms**

acimport now supports loading of freight terms data.

- **oms.pmtterms**

acimport now supports loading of payment terms data.

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