



# Enhancements

## SYSPRO 7 Update 1 | Port 025

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Produced by: SYSPRO Technical Authoring



## SYSPRO Technical Authoring

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## Port 025

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The following is a summary of the enhancements that have been implemented for this port.

### Database upgrades (cont.)

Version	Issue	Port
7.0	001_SP1	025

#### Why was this done?

This forms part of SYSPRO's scheduled database structure updates implemented from SYSPRO 7 Update 1 Port 005. This relates to SQL Server-based systems and was done in an effort to accelerate software development agility as some of the latest features required additional columns in existing tables and/or additional tables.



There are no changes to existing indexes, no data normalization and no changes to existing columns (such as renaming columns, changing data types, or changes to the actual data against each row).

#### What was done?

The following new columns and/or tables have been added:

Table	Column
ApJnlDistrib	Origin

#### How is it deployed?

##### Company-specific update

In addition to the actual application software containing new features, the port may include the following additional files:

- Updated data dictionary (BASE\DD\_701\DDS\*.\*)
- Updated SQL file handlers (BASE\FH\_701\FH\*.GNT)
- Upgrade SQL script (BASE\SCRIPTS\\_SYSPRO7\_Update\_701\_?????.sql)

When you load SYSPRO as an administrator and select to install the port, these files will be unzipped and copied to their appropriate folders.

You will receive a message indicating that a minor database upgrade is going to be applied and you will be requested to exit SYSPRO and reload one of your companies.

The login process compares the required database version defined in the data dictionary (DBV= entry in DDSCTL.TXT) with the current version defined in the company's database (AdmVersion..DatabaseVersion, key = 'CTL').

If the required data dictionary version is higher than the current company's database version, then the SQL upgrade script is applied (specified by the DBS= entry in DDSCTL.TXT).

The script must be located in the BASE\SCRIPTS folder and will be run with the elevated administrative privileges specified (**System Setup > Database Tab > SQL Server system admin information**).

The SQL script silently adds new columns and tables as required and updates the database version in the AdmVersion table.

The script typically only takes a few seconds per company, but may take a few minutes in some cases. Please allow the update to complete.

You will not be allowed to load your company before the company's database version matches the required data dictionary version.

Once the current company has been updated, the system reads all other installed companies (by looking at the `ADMCTL` files in the `WORK` folder) and attempts to run the upgrade script against each company. A correctly-installed system should allow the database upgrades to complete against each company's database.

However, in some environments (e.g. a support, test or developer environment) you may have configured many companies in the past and perhaps dropped their databases (to save space or because they are no longer required). In this case the upgrade process will display a warning that the upgrade script could not be applied and the remaining companies will be processed.

If you know about these unused companies then this is not a problem. However, if you expected these companies to be valid live SYSPRO companies, then you could logout of the current company and attempt to load the suspect company so that the upgrade is applied.

Once logged into SYSPRO, the minor database upgrades have been applied and any new features can be configured as required.

### System-wide update

When you load SYSPRO, it detects whether the version of the system-wide database (`SysproAdmin`) is up-to-date. If not up-to-date, it runs a SQL script (`BASE\SCRIPTS\_SYSPRO7_Update_701_???\_sys.sql`).

The script silently adds new columns and tables as required, and updates the database version in the `AdmSysVersion` table.

## Objects optimized for SQL

Version	Issue	Port
7.0	001_SP1	025

### What was done?

Business objects have been changed to use SQL-optimized code to retrieve data from a SQL company. This will improve the performance of the business objects when using a SQL database.

### Where can I see the change?

Schemas and sample XML instances are available in the SYSPRO e.net Solutions Business Objects Reference Library.

Program	Description	Version
BOMQ09	<b>BOM Route Cards</b>	016
SORQ31	<b>SO Dispatch Notes</b>	009
EFTQAJ	<b>EFT CB Beneficiary Amendment Journal</b>	007
EFTQRL	<b>EFT CB Payments Release Schedule Report</b>	003
EFTQSE	<b>EFT Setup Options Report</b>	006
ARSQGA	<b>AR List of Geographic Areas Query</b>	009
ARSQAJ	<b>Customer Amendment Journal Report</b>	007

## New object for crediting original invoice

Version	Issue	Port
7.0	001_SP1	025

### What was done?

There is a new business object that e.net Solutions developers can use to to develop applications catering for the display of values (i.e. price and tax information) for quantity changes on an original invoice.

### Where can I see the change?

Schemas and sample XML instances are available in the SYSPRO e.net solutions Business Objects Reference Library.

Program	Description	Version
SORRCL	<b>SO Credit Original Invoice</b>	000

## New object for bill of landed cost

Version	Issue	Port
7.0	001_SP1	025

### What was done?

There is a new business object that e.net Solutions developers can use to to develop applications catering for bill of landed cost maintenance functionality.

### Where can I see the change?

Schemas and sample XML instances are available in the SYSPRO e.net solutions Business Objects Reference Library.

Program	Description	Version
PORSBL	<b>LCT Bill of Landed Cost Maintenance</b>	000

## New object for releasing unallocated kits from reserved to ship

Version	Issue	Port
7.0	001_SP1	025

### What was done?

There is a new business object that e.net Solutions developers can use to develop applications catering for the release of unallocated kit quantities from reserved to ship functionality.

The business object allows you to ship a parent line and all components using the reserved quantity from the parent sales order line with the exception of **Kit type** items defined as *Finished type*. Detail

allocations must be supplied for each component line that requires lots, bins, serials or revision/release quantities.

You can ignore auto-depletion (if it has been configured in SYSPRO) using the `<IgnoreAutoDepletion>` parameter, and the detailed allocations supplied in the XML.

## Where can I see the change?

Schemas and sample XML instances are available in the SYSPRO e.net solutions Business Objects Reference Library.

Program	Description	Version
SORTRB	<b>SO Release Unallocated Kit from Reserve</b>	000

## New Program Operator List report

Version	Issue	Port
7.0	001_SP1	025

## What was done?

The **Program Operator List** report (**Program List > Administration > Security > Reports**) was created to re-introduce functionality that was available in a SYSPRO 6.1. It is typically used for auditing purposes and lets you print a list (by program) of the operators, groups, or roles that have access to that program.

## Where can I see the change?

Program	Description	Version
COMQO2	<b>Program Access Query</b>	000

Program/file	Version
IMPSRS.IMP	014
PROGRAM_OPERATOR_LIST	001

## Additional updates

The following additional updates were made to the software.

### Fixed bins validation (cont.)

This forms part of the **Fixed bin locations** enhancement released in Port 022 to implement a warehouse management system in SYSPRO which, if enabled, requires a bin to exist before transactions can be processed against it.

This bin validation process has been extended to the dispatch notes (i.e. when creating a dispatch note from a sales order and when cancelling a dispatch note) and purchase order receipts and inspections.

Program	Description	Version
SORTDA	<b>Dispatch Note Add Lines from Sales Order</b>	029
SORTDC	<b>SO Dispatch Note Cancel</b>	030

Program	Description	Version
SORTDN	<b>Dispatch note creation from Sales Order</b>	047
PORPRI	<b>Purchase Order Inspection</b>	076
PORPRR	<b>LCT Shipment Receipt</b>	039
PORTOR	<b>PO Purchase Order Receipts</b>	100
PORTRO	<b>PO Purchase Order Receipts Reversal</b>	028

## SYSPRO Espresso Activity Schedule

The **SYSPRO Espresso Activity Schedule** application has been enhanced to display the follow up date and time for activities.



You will have to install a new version of SYSPRO Espresso, which is available for download from the InfoZone.

## GL Code Conversion to cater for additional tables and columns

The **GL Code Conversion** program has been updated to cater for additional tables and columns:

ISAM	SQL
ADMTX1	AdmTaxExt (not yet used)
ARSPRH	ArPayRunHdr
CSHJNC	CshJnlCtl
GENSEC	GenSection
SALBR1	SalBranchExt

Program/file	Description	Version
GENPCN	<b>GL Code Conversion</b>	017

## Filter options added to LCT Shipment Tracking

Selection criteria have been added to the **LCT Shipment Tracking Entry** program to enable users to search vessels based on filter options. The filter options (i.e. by vessel, by departure date, by route, by shipment and by purchase order) are located on a new **Vessel Selection** pane which is pinned to the side of the program window.

Program/file	Description	Version
PORPLA	<b>LCT Shipment Tracking Entry</b>	015

## Elements added to Sales Order Query object

The **SO Sales Order Query** business object has been updated to ensure that the following elements are now output under the miscellaneous charge lines node:

- Tax adjustment value
- Cost
- Product class
- Taxable
- Product class description
- Tax Code Description



Program/file	Description	Version
SORQRY	<b>SO Sales Order Query</b>	044

### In-process configuration (cont.)

This forms part of the enhancement that was released in Port 012 which catered for the reuse of a configuration when maintaining a sales order or quotation line. Business objects have now been updated to cater for this functionality.

Program	Description	Version
CFGQRY	<b>Product Configurator Progress Query</b>	011
CFGTFD	<b>Product Configurator Finish Details</b>	041
CFGTOC	<b>Product Configurator Options</b>	025
CFGTPC	<b>Product Configurator</b>	017
CFGTPD	<b>Product Configurator Parent Details</b>	013
CFGTSC	<b>Product Configurator Selection Criteria</b>	013
QOTTQI	<b>Quotation Entry and Maintenance</b>	041

# Appendix

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## Additional resources

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### Reference Guides

SYSPRO's Reference Guides are primarily module-based and cover aspects of the user interface at program level. This includes detailed field and function explanations as well as notes and warnings regarding the usage of an application program within SYSPRO. These guides also extend to feature topics within the system (e.g. Tax, Security, Language Translation, etc.) and include implementation considerations. Please refer to the SYSPRO [InfoZone](#) for details on how to obtain these guides (<http://infozone.syspro.com/support>).

### Support

SYSPRO's [InfoZone](#) provides up-to-date information about the product as well as more advanced tutorials for registered users.

### Newsletter

As part of SYSPRO's ongoing commitment to keeping you informed about the latest product developments, a regular newsletter is distributed to the SYSPRO community. The newsletter covers many aspects of SYSPRO ranging from product enhancements to support-related information, known issues and useful tips. You can subscribe to this newsletter from the SYSPRO [InfoZone](#).

### Forums

SYSPRO provides a number of active on-line [forums](#) for you to engage in various discussions about the product.

### Contact us



The Technical Authoring team comprises: Even Nettet, Carol Hart and Monique MacNaught. Send us your comments to help us improve the standard of our reference guides.



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