



Enhancements

SYSPRO 7 Update 1 | Port 014

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SYSPRO Help and Reference

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Port 014

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

Espresso licensing options extended

Version	Issue	Port
7.0	001_SP1	014

Program	Description	Version
ESPOPR	Espresso User Licenses	004
IMPANU	Application Named User Maintenance	004
IMPBOP	Admin Operator Browse	012

Why was this done?

This forms part of the SYSPRO Espresso licensing enhancement that was originally released in **Port 012** and which introduced the concept of *Linked user* and *External user* to provide a more flexible and cost-effective approach to Espresso licensing.

What was done?

The **Espresso User Licenses** program includes a dropdown option against the **License Type** column that allows you to specify a license type for a SYSPRO operator (i.e. *Linked user* or *External user*).

Totals have also been added to the footer of the application to indicate the number of licenses allowed as well as the number of licences allocated to each Espresso license type.

Where can I see the change?

The changes are visible from within the **Espresso User Licenses** program.

Customizing Espresso from within core product

Version	Issue	Port
7.0	001_SP1	014

Program	Description	Version
ESPABR	Espresso Application Builder Save As	000
ESPAPB	Espresso Application Builder	000
ESPBKF	Espresso Key Fields	001

File	Version
IMPLNK.IMP	014

Why was this done?

There was a requirement to allow system administrators to manage the configuration of SYSPRO Espresso applications and components from within the core SYSPRO product.

What was done?

There is a new **Espresso Application Builder** program within the SYSPRO core product that enables you to customize SYSPRO Espresso applications and components at operator level, role level, company level or system-wide.

Where can I see the change?

The **Espresso Application Builder** program is located within the **SYSPRO Espresso** folder of the **Program List** pane of the SYSPRO Main Menu.

Inventory Demand Review extended to job receipts

Version	Issue	Port
7.0	001_SP1	014

Program	Description	Version
IMP01B	WIP Job Receipts	107
IMPCOS	WIP Setup	043
INVPRD	Inventory Demand Review	003
PORPRI	Purchase Order Inspections	066
WIPPIP	WIP Inspection Maintenance	057
WIPQSO	Query Work in Progress Setup Options	009
WIPTSO	Post Work In Progress Company Setup	010

Why was this done?

This forms part of the Inventory Demand Review enhancement that was originally released in **Port 004**. This simplifies and streamlines the process of reserving, allocating or issuing stock to any demand that exists in SYSPRO for an item.

What was done?

A new **WIP Setup** program option: **Review demand when doing receipts** has been added that enables you to review demand when receipting items into stock.

The **WIP Inspection Maintenance** and **WIP Job Receipts** programs have been enhanced to call the **Inventory Demand Review** program when accepting items into stock.

Where can I see the change?

The setup option: **Review demand when doing receipts** is available on the **General 2** tab of the **WIP Setup** program.

New promotion selection options

Version	Issue	Port
7.0	001_SP1	014

Program	Description	Version
IMP040	SO Entry	302
IMP04P	SO Point of Sale	070
IMPFR8	Admin Create Drop Down List Dictionary	020
SORPOE	SO Entry Express	039
TPMPB5	TPM Promotion Codes	010
TPMPM4	TPM Promotion Code Maintenance	025
TPMPM5	TPM Promotion Code Copy	008
TPMPSP	TPM Promotion selection Global and Line	024
TPMQPC	TPM Promotion Code Query	008
TPMRQP	SO Trade Promotions Build SO Details	007
TPMTM4	TPM Promotion Code Maintenance	005
TPMUQP	COM TPM Promotion Qualification	031

File	Version
TPM_LIST_OF_PROMOTION_CODES	003

Why was this done?

There was a requirement for more flexibility when selecting promotions during sales order processing. This includes:

- differentiating between manual and automatic selection when applying promotions,
- defining the promotion as part of a group of promotions, and
- selecting free goods items from a list.

What was done?

New fields and options have been added, including:

- New methods of selecting promotions
 - Set by company (uses the trade promotions setup).
 - Automatic (automatically selects and applies all qualifying promotions to the sales order).
 - Manual (allows you to manually select the qualifying promotions to be applied to the sales order).
- New options to identify if a promotion is part of a group
 - Member of group (select a limited number of promotions from the same group during sales order processing).
 - Maximum selections allowed (indicate the maximum number of promotions that can be selected from the group).
- A new field from which you can generate a list of free goods items to be selected when applying the promotion to the sales order.

Where can I see the change?

The new options are visible in the **TPM Promotion Code Maintenance** program, while the details can be viewed in the **TPM Promotion Codes** program.

New accrual tax option for TPM

Version	Issue	Port
7.0	001_SP1	014

Program	Description	Version
IMPTPM	TPM Setup	016
TPMP60	TPM Promotion Review	026
TPMPB5	TPM Promotion Codes	010
TPMPM4	TPM Promotion Code Maintenance	025
TPMQPC	TPM Promotion Code Query	008
TPMQSO	Query Trade Promotions Setup Options	007
TPMTM4	TPM Promotion Code Maintenance	005
TPMTSO	Post Trade Promotions Setup Options	007
TPMUQP	COM TPM Promotion Qualification	031
TPMUTX	COM TPM Tax Portion of Promotions	000

File	Version
TPM_LIST_OF_PROMOTION_CODES	003

Why was this done?

There was a requirement to process tax on Trade Promotion accruals at the time of posting the Accounts Receivable or Accounts Payable transaction.

Previously, tax on accrual promotions was added at the time of invoicing the sales order.

What was done?

The **TPM Setup** program option: **Tax included in deductions and accruals** has been changed to allow you to define the point at which accrual tax must be applied.

Options include: **Add at time of accrual** and **Add at time of review**. If you select the **Add at time of review** option, then you can optionally indicate whether tax is required at promotion level.

Where can I see the change?

The new Trade Promotion Accrual option for tax is available on the **Defaults** tab of the **TPM Setup** program.

CMS object caters for dynamic Organization Lists

Version	Issue	Port
7.0	001_SP1	014

Program	Description	Version
CMSPML	Incl/Excl Organization List Maintenance	001
CMSTOL	Contact Post Organization List	004

Why was this done?

The **Contact Post Organization List** business object has been enhanced to cater for dynamic Organization Lists (originally released in **Port 013**).

Where can I see the change?

This change only affects 3rd party developers who use the **Contact Post Organization List** business object.

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

New object for posting quotation confirmations

Version	Issue	Port
7.0	001_SP1	014

Program	Description	Version
ARSPCN	AR Customer Code Conversion	013
QOTP20	Quotation Confirmation	088
QOTP21	Quotation Purchasing Review	030
QOTPLD	Quotation Job Loading	059
QOTRQC	QOT Build Quotation confirmation	000
QOTTQC	QOT Quotation confirmation	000

Why was this done?

A new business object was created to enable e.net Solutions developers to develop applications that require quotation confirmation functionality (e.g. confirm, reject and reinstate quotations).



You currently cannot confirm a hierarchical job using this business object.

Where can I see the change?

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

Architectural changes

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

Database upgrades

Version	Issue	Port
7.0	001_SP1	014

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 included:

Table	Column
ApGIDisburse	PaymentReference
ApInvoice	TotalAdjustments
ApInvoicePay	SummaryEntryNumber
ApPayRunDet	PaymentReference
	TotalAdjustments
ApPayRunHdr	PaymentReference
BomAmendmentJnl	OldProductCode
	OldLibraryCode
	OldFirstSeq
	OldSecondSeq
	OldOvrEccSpecIss
	NewProductCode
	NewLibraryCode
	NewFirstSeq
	NewSecondSeq
	NewOvrEccSpecIss
BomStructure	OvrEccSpecIss
CshJnlCtl	CashGlCode
CshJnl	PaymentReference

Table	Column
CshTransactions	PaymentReference
EccAmendmentJnl	OldProductCode
	OldLibraryCode
	OldFirstSeq
	OldSecondSeq
	OldOvrEccSpecIss
	NewProductCode
	NewLibraryCode
	NewFirstSeq
	NewSecondSeq
	NewOvrEccSpecIss
EccStructure	OvrEccSpecIss
GenJournalDetail	PaymentReference
GenTransaction	PaymentReference
InvWarehouse	BoughtOutWhsLvl
	DockToStock
MrpWarehouse	BoughtOutWhsLvl
	DockToStock
WipJobAllMat	OvrEccSpecIss
MrpJobAllMat	OvrEccSpecIss
MrpSugJobAllMat	OvrEccSpecIss

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. It also adds the `AdmOperatorPwd` table that is required for Microsoft Office 365 integration.

Appendix

Additional resources

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.

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