

AMOS Business Suite

Version 10.1.00

Release Notes

Revision 4, May 2019

Documentation Copyright And Disclaimer

Copyright

Copyright © 2019 SpecTec Group Holdings Ltd., Limassol, Cyprus World rights reserved. No part of this publication may be stored in a retrieval system, transmitted or reproduced in any way, including but not limited to photocopy, photography, magnetic or other record, without the prior agreement and written permission from SpecTec Group Holdings Ltd. Documentation office.

Furthermore, unless specifically stated in the Software Purchase Agreement duly signed by both SpecTec Group Holdings Ltd. and the user, the user will not distribute, reproduce, or allow access to by a third party this documentation, without the prior, written approval from SpecTec Group Holdings Ltd. Documentation office.

Whenever an authorised copy is made of all or any part of the documentation, all titles, copyright notices, patent notices or other proprietary markings must also be reproduced in full and included with the copied product. The User shall not alter or remove any copyright notices, patent notices or other proprietary markings affixed to or distributed throughout the documentation.

Disclaimer

SpecTec Group Holdings Ltd. makes every effort to ensure the information contained in this document is correct at the time of printing. However, as products of SpecTec Group Holdings Ltd. are constantly being updated and maintained, discrepancies may arise from time to time between this documentation and the Product to which it applies. SpecTec Group Holdings Ltd. makes no representations or warranties regarding the content or accuracy of the documentation, and specifically disclaims any implied warranties of merchantability of fitness for any particular purpose. Information in this documentation may change at any time and does not represent a commitment on the part of SpecTec Group Holdings Ltd. SpecTec Group Holdings Ltd. reserves the right to make documentation changes from time to time in regards to style, layout, and content without any obligation by SpecTec Group Holdings Ltd. to notify any person of such changes or provide users with updated documentation revisions. Furthermore, the product described in this documentation may change without notice.

Trademarks

All brand and product names to be found in this document or the product to which it applies are trademarks of their respective companies.

IMPORTANT

This release of AMOS Business Suite is a full installation. Please ensure that you follow in-house back-up procedures prior to installation.

If you are upgrading from earlier versions of AMOS products than those immediately prior to this release, we recommend that you read all release notes for the version in between to familiarise yourself with the changes that have been made to the application between your current version and this one.

As of version 10.0.00 access to the Hooks which allow customising and extending AMOS Business Suite functionality, is licensed separately.

If your system already has customisations utilising this functionality in place, contact your local support office about extending your license to include access to hooks.

AMOS Business Suite supports the entry of Unicode data as of version 10.0.00. Refer to the Release Notes for that version, for an overview of the requirements related to upgrading to a Unicode compliant version of AMOS.

As of AMOS Business Suite version 9.2.00, to send order forms with multiple pages of items as emails with attachments it is required to install Ghostscript. Ghostscript is available at: http://www.ghostscript.com/

For instructions on installing and configuring Ghostscript, see the AMOS Business Suite Installation Guide.

The redistributable of Microsoft C++ 2010 (x86) is a pre-requisite of Xgantt.ocx.

To avoid any possible issues (unrelated to AMOS) that could arise after installing a new version of Microsoft Office, ensure that any previous version of MS Office has been fully removed from the system before beginning a new installation.

A new parameter was introduced with patch 8.6.19, Prevent Updated on Quotation with Selected Vendor. Customers who applied that patch and set the parameter will need to check/reset the parameter after upgrading to version 9 or above.

A new parameter has been introduced in this version (Default Settings > 'Weight Identifier'). To avoid issues with your system, it is necessary to set a value on it after upgrade.

1 Compatibility

1.1 Testing

The AMOS Business Suite version 10.1.00 has been tested on the following:

ASA 12.0.1.3910	ASA 16.0.0.1324	ASA 17.0.0.1359	Oracle 11.2.0.01	Oracle 12.1.0.01	MSSQL 2008 R2 10.50.1617	MSSQL 2012 11.0.2100	MSSQL 2014 12.0.5000.0	MSSQL 2016 13.00.16016.4
Windows 2008 Server Enterprise Edition								
X			X		X			
Windows 2012 Server Enterprise Edition								
		X	X			X		
Windows 8.1 Pro								
	X	X	X	X		X	X	
Windows 10 Pro								
	X	X		X		X	X	
Windows 2016 Server								
	X			X				X
Windows 7 Pro								
X			X		X	X		

AMOS Business Suite is a 32 bit application. As such, it requires a 32 bit driver to connect to a database. 32 bit database drivers can connect to either 32 bit or 64 bit database servers. It is up to the RDBMS vendor to provide a 32 bit driver compatible with their 64 bit server software.

1.2 Support

AMOS Business Suite supports the platforms listed below within their own boundaries.

Regarding MS SQL 2012, AMOS Business Suite 10.1.00 provides support through the ODBC and not using the SQL Native Client. As of version 9.2.00, AMOS Business Suite supports SQL Native Client for MS SQL Server 2008.

The AMOS Business Suite version 10.1.00 supports the following:

32 bit OS	DBMS
Windows 2008 Server Enterprise Edition Windows 2012 Server* Windows 2016 Server* Windows 7 (64 bit) Windows 8.1 (64 bit)* Windows 10 (64 bit)*	ASA 12.0, 16.0, 17.0 Oracle 11g, 12c MS SQL 2008 R2 MS SQL 2012 MS SQL 2014 MS SQL 2016

* Please read the considerations for these versions as outlined in section 1.3

1.3 Windows Operating Systems

The development environment of the AMOS Business Suite and its third party components does not officially support Windows 8, Windows 8.1, Windows 10, Windows Server 2012 and Windows Server 2016 Operating Systems; therefore, AMOS Business Suite does not officially support the above Windows platforms.

However, SpecTec's Quality Assurance department has performed preliminary tests on this platform and found AMOS to be working successfully. Should there be any issues, SpecTec will do its utmost to address them.

Be aware that AMOS products rely on third party components and that these must also comply with these Windows versions. If the root cause of an issue resides with a third party component, SpecTec may not be able to address the issue.

AMOS Business Suite is a 32 bit application; therefore it will not utilise the 64 bit Windows platform to its fullest capacity.

NOTE: Warning Raised During Installation on Windows

While installing AMOS, the following message could be encountered:

'Windows protected your PC. Windows SmartScreen prevented an unrecognised application from starting. Running this application might put your PC at risk.'

The issue is in fact with the source the AMOS installer application was downloaded from. For example, it sometimes happens that Windows will flag a file downloaded from the internet as 'unsecure'.

You can disregard the Windows SmartScreen message and carry on with the AMOS installation, or, validate the installer.

To do that, right-click on the .exe file before launching it. Select 'Properties' from the pop-up menu. At the very bottom of the General tab, click 'Unblock' next to 'Security: This file came from another computer and might be blocked to help protect this computer.'

1.4 Other

AMOS e-Business Direct (AMOS HTML) was tested on the following e-mail clients:

Microsoft Office Outlook 2007

Microsoft Office Outlook 2010

AMOS Mail version 5.1 and 7.4

AMOS e-Business Direct (AMOS HTML) is compatible with:

Microsoft Internet Explorer version 5 or higher.

When utilising either the HTML/JSON or HTML/NoScript solution, AMOS e-Business Direct is now compatible with all major browsers.

AMOS Business Suite version 10.1.00 is compiled using:

PowerBuilder version 12.5.2 Build 5602

2 Framework

These release notes describe the enhancements and corrections made to the AMOS Business Suite Framework functionality from 10.0.40 to 10.1.00.

2.1 Enhancements

The following enhancements have been made in this release.

2.1.1 Performance Evaluation Module Added

Using the new Performance Evaluation module in AMOS is an easy way to tailor evaluations to review important information about vendors and other business partners you work with - on-time deliveries, quality of goods and services, reliability, and so forth - and then to collect, analyse and store this data. It is possible to evaluate any business partners by address type - agents, forwarders, makers and so on. AMOS will automatically retrieve the information you're looking for from the system and calculate a resulting QA grade (selecting from the QA grades already in use) for each address you evaluate. Eventual results will be stored in the Address register; AMOS can also automatically update QA grades, and any poorly performing business partner can be blacklisted and automatically unavailable for selection in other parts of the system.

2.1.2 The Ribbon Bar

In addition to the standard menu bar, a modern ribbon bar is now available for easy navigation in AMOS. It is activated by a setting in the Tools > Options window.

Once activated, the ribbon bar shows familiar menu labels like ‘Maintenance’, ‘Stock’ and so on, ranged across the top and each one of these labels is a tab collecting groups of the traditional menu items inside.

Items on the ribbon are regrouped in a more efficient way: registers are now placed with the module they belong to. Windows used in more than one module are accessible from the tabs for both modules, and work flow actions are available from the ribbon tabs as well.

2.1.3 Excel Templates

When MS Excel is installed, AMOS will now support importing and assigning Excel sheets as templates.

2.1.4 Allow HTML To Cover Dashboard

When defining a URL in the Options window to show on the dashboard, if work flow notification is turned off, the alert gauge is turned off and there are no currently active alerts, the entire space of the dashboard will then display the webpage defined in the URL.

If work flow notifications or the alert gauge is on, or alerts are active in the system, AMOS will display the HTML as before in a partial section of the dashboard.

2.1.5 Edit User Interface

It is now possible to use the Form Designer to modify the appearance of many windows throughout AMOS: move and resize existing fields, change fonts and colours, set conditions,

and so on. Creating new interface layouts requires Execute access to the following new settings:

- Define Private User Interface
- Define Group User Interface
- Define System User Interface

Selecting Edit > User Interface in the window you want to modify opens an instance of the Form Designer. New window layouts can be saved as a 'Private', 'Group', or 'System' configuration and will be listed in the new Customised User Interface tab on the Options window, where it is possible to apply Group Priority and define Access for those entries with Scope set to 'group'.

These kind of modifications are only supported on data presentation views which are directly placed on a tab page in a tab-list window.

2.1.6 Form Designer Enhancements

The Form Designer window has been enhanced so that users can multi-select several controls and align them with other controls present in the designer.

When a user has selected more than one control new Options menu/toolbar items become available, allowing to align left/right/top/bottom edges to the first selected control, or make all widths/heights the same as the first selected control.

At the same time, the tabs for editing attributes will be disabled since editing attributes on multiple controls at once will not be allowed.

When only one control is selected, the new menu/toolbar items will be disabled and the tabs enabled as usual.

2.1.7 Attachments Indicator Added

#34480, 39356, 31059

An Attachments column has been added to the list part of every window with an Attachments tab. The column will contain a 'Yes' or a 'No', depending on whether the selected record has any attachments or not. The column is available from the Field Chooser and visible by default.

2.1.8 Set Main List Position

By default, the list of columns appears at the bottom of windows throughout the system. Users can now set the default position in the Options window so that the lists will appear at the right or left side of windows.

This default will apply system-wide, but can be changed in any individual window by selecting Main List Position > Bottom/Left/Right from the Edit menu. AMOS will remember each user's own settings for the next time he/she logs in. Windows where a user has changed the default will appear on the Main List Position tab in the Options window, with Scope 'Private'.

2.1.9 Address Window Column Expansions

#20170, 39627, 38571

Existing columns in the Address register have been expanded to allow improved interaction with external systems.

The extended field content will also be visible in tooltips.

2.1.10 Disable Individual Alerts

#34945

A new checkbox 'Active' has been added to the Alert Configuration window at Alert level, making it possible to deactivate/reactivate an individual alert. Inactive alerts will still be available for selection on user dashboards, but will not actually show up as long as they are inactive.

2.1.11 Price Fields Expansion

#17597

The 'Price' column (and related columns for totals) has been expanded throughout the system in any windows where it appears, such as those related to purchasing, budgets, logistics and vouchers. It is now possible to enter a value up to 20 digits followed by 6 more for decimal places.

2.1.12 Quantity Fields - Decimal Place Expansion

#37702, 40416

The 'Quantity' fields throughout the system have been expanded from accepting 9,2 digits to 13,3. Note that the size of the columns on AMOS screens has not changed - any one can be widened using the new functionality for editing the user interface.

2.1.13 Quick Launcher

The newly added Quick Launcher provides fast access to most areas in AMOS. The shortcut key Alt+L opens it.

2.1.14 Required Fields On Templates - Message During Tab Change

#46426

Formerly, when a user was working in a window where one of the tabs contained a template with a mandatory field defined on it, AMOS would interrupt them with a 'Mandatory Fields' message whenever they switched from one tab to another.

Now, when a template is in use AMOS will scan it (within the module, not in the template library) for columns flagged 'Required'. To allow for the check and possible message to take place during window saving only, the user must perform a change on the tab hosting the template.

When the user later on saves the window, AMOS will then warn the user if any required field is missing a value. AMOS will also scroll to the row, open the tab and set focus on the mandatory field where the value is missing.

AMOS will not force the user to enter data unless the user has actually made a change in the tab hosting the template.

If the user makes a change anywhere in the window but not on the tab hosting the template, AMOS will not perform the check during save.

2.1.15 Change Job Class On A Draft Job Description Revision

#42561, 10390

It is now possible to modify the Job Class on a draft revision of a job description.

This functionality is enabled by a new access control, 'Job Description; Draft Revision Job Class', which only applies when the system parameter 'Job Description Revision Control' is set to TRUE.

When a user has edit access to the new setting a new 'Class' column on the Job Description window > Revision tab will be enabled for modification. For active or obsolete revisions, or users without access, this column will always be read-only.

When you change the job class on a job description revision, a user without access to the newly selected class could appear to have created work orders based on the description. If changing the job class will result in a change to job class access, you will be notified before continuing with the change.

2.1.16 Data Sorting Improved

#20845

Sorting has been improved in some windows and tabs.

2.1.17 Support For Oracle 12c

#29721, 30921

Support has been added for Oracle 12c.

2.1.18 Address Printing Enhancements

#2978

Address print functionality has been improved. When one or more records is tagged before selecting to print, AMOS will no longer print the complete list but instead will print only the tagged rows (or currently selected single row) via the standard Print dialog and standard customisable reports.

2.1.19 Application Version Included In LoginAudit Table

#23596

The AMOS Business Suite application version is now listed in the LoginAudit table.

The column is also listed on the View Login Audit Log window.

2.1.20 Expand Dashboard Alert Count Value

#40204

Alert count values on the dashboard were shown up to 7 digits. This has now been expanded to show up to 10 digits.

2.1.21 Filtering By User Improved With 'Me' Button

#31339

To make filtering for and selecting yourself as the current user quicker and easier throughout AMOS, a 'Me' button has been added to filters and lookup fields referencing users for selection (i.e. Maintenance Work Order filter > 'Created By' lookup).

2.1.22 Audit Trail To Show Actual Data Instead Of Internal ID

#17411

In some cases audit trail results will show up in the audit trail log using the value's internal ID rather than the actual label on the value itself.

To customise the audit trail configuration to return values as actual data or text it is now possible to write an SQL on any column in the configuration. AMOS can assist in writing the SQL for columns with a foreign key. If the column you are trailing does not have a foreign key you need to build your own SQL.

2.1.23 Identical Hook Types

#33423

When there are two identical types of Hooks, e.g. one for datawindow and one for datastore:

uf_ext_dataobject_presave(ref datawindow adw, ref string as_returnstring)

uf_ext_dataobject_presave(ref datastore adw, ref string as_returnstring)

when using the first, it requires implementing another one (the second) as dummy Hook for datastore returning default 1 (this is due to PowerBuilder function name resolution specifics).

2.1.24 Possible To Select Employees Not Listed For Current Department

#18010

Formerly, Employees from all departments could be assigned as Employee to AMOSUser.

This has now been corrected and the Employee selection is limited to only the list of those who matches sharing.

2.1.25 Opening A View Closes The Previous Opened Windows

#40306

When a user opened a View, all open windows were closed.

A checkbox 'Close open window when view is loaded' in View tab of Tools/Options has now been implemented to allow the user to choose if he wants to close the opened windows or not.

The checkbox is flagged by default for current user and can be overridden by the checkbox 'Close open windows' in Select View dialog window.

2.1.26 Installation Guide. GhostScript File Gsdll32.dll Accessibility

#45660

Installation Guide has been updated with the following section:

Generating a project specification that includes any PDFs can sometimes return a message that attaching PDFs to a specification is only possible if GhostScript is installed - even when GhostScript is correctly installed. This happens if your system is missing the gsdll32.dll file - a 32 bit GhostScript dll file required to attach PDFs to specifications.

If you see this message, first determine if the dll is available to AMOS: go to Help > About > System Info and click the Version button. If the Status column contains a valid version number, the file is accessible. If not, you need to make the dll file accessible to AMOS: add the folder where the file is located to the Windows path environment string (recommended) OR copy the dll into the AMOS Installation folder.

2.2 Corrections

The following corrections have been made in this release.

2.2.1 Deleted QA Grades Not Removed

#27158

Deleting a stock class on an address type correctly removed the stock class and QA grading. However the deleted column would reappear after refreshing the window and to remove it permanently the user had to close and re-open the window.

This has now been corrected.

2.2.2 Quality Module Options Visible Without License

#2526

Certain Quality module options (like filter criteria) were available in the system even when no Quality modules were a part of the system license.

This has now been corrected.

2.2.3 Truncated Form Number In Report

#24037

The Form No. field was truncated in the Form List by Type report.

This has now been corrected.

2.2.4 Stock Report Filter Ignored Access

#19132

Stock report filters containing a 'Stock Class' field did not consider users' stock class access when filtering and running the reports.

This has now been corrected.

2.2.5 Alerts Shown To Deactivated Group Members

#23353

A user assigned to a new group and deactivated in another group, could see dashboard alerts their new group did not have access to, if the alerts were accessible to the group in which that user was deactivated.

This has now been corrected.

2.2.6 Incorrect Units Displayed

#40764

With no sharing defined on the Unit table, all units would appear for selection when adding a line item to a form, instead of just the units defined at the current installation/department.

This has now been corrected.

2.2.7 AMOS Job Description List Report Preview

#16449

The print preview of the Job Description List report was not legible, although zooming or printing the report was fine.

This has now been corrected.

2.2.8 Error Dragging And Dropping Attachments From Emails

#26511

Dragging and dropping an attachment file from an email into AMOS resulted in an error creating the attachment reference if the Graphic directory referred to a network path starting with \\.

This has now been fixed.

2.2.9 Predefined Filters Not Working On Oracle

#18142

Running on Oracle, creating a predefined filter with scope 'private' for the Forms window did not work.

This has now been corrected.

2.2.10 Insufficient Memory Message Received When Pasting Large Images

#25925, 25924

Attempting to paste large images into Notes tabs resulted in a repeating 'Insufficient Memory' message.

AMOS will now present one message instead, warning the user that the content has been cleared and the text will be lost if he decides to save.

2.2.11 History Details Report

#16598

A job class selected in the History Details report did not appear on the printed or previewed report.

This has now been corrected.

2.2.12 Product Description Disappeared After Refresh

#42339

Items added to the Description field on the Address window Products tab disappeared after saving and refreshing the window.

This has now been fixed.

2.2.13 Group Access On Predefined Fields Not Respected

#41037

If a user created a predefined fields configuration in two windows and assigned different group access to each one, when logging back in as a member of one of the groups he could see the configurations in both regardless of group access.

This has now been corrected.

2.2.14 External Images Not Used In Login Screen Background

#25303

Changing the background image on the Login screen did not work if the image was stored externally and the path added to the amosw.ini file. Images had to be stored in the AMOS installation folder.

This has now been corrected.

2.2.15 Dashboard Alert Error If SQL Syntax Contained A Single Quote

#45569

Defining an alert's SQL syntax with a single quote (') resulted in an error message when a user clicked on the dashboard alert.

This has now been corrected.

2.2.16 Error Upgrading Database On MS SQL

#37113

Upgrading a 9.3.xx database to 10.0.30 on MS SQL 2008 R2 resulted in an error, due to a problem with Danish_Norwegian collation.

This has now been corrected.

2.2.17 Dragging And Dropping Attachment In Global Search Mode

#19988, 25590

Dragging and dropping attachments while working in Global Search mode is not supported, but it appeared to be possible.

Now, when hovering with a file over an Attachments tab opened in Global Search, the 'stop' mouse icon will appear and dropping the file will be prevented.

2.2.18 Remote Work Flow Import Message

#29027

Importing an approved purchase order form through the remote work flow resulted in a 'Specify Retrieval Arguments' prompt.

This has now been fixed.

2.2.19 Error Saving Overview Panel

#12428

If the SQLstatement defined on an overview panel was too long, a long and unclear error message occurred during save.

This has been changed: it will not be possible to save the overview panel but the message will clearly state that the SQL is too long.

2.2.20 Unlicensed Modules Shown For Work Flow Configuration

#36624

The 'Select Module' field on the Tools > Configuration > Work Flow window showed modules which were not part of the system license.

This has now been corrected.

2.2.21 TaskServerOnce Parameter Stopped Working

#37608

The /TaskserverOnce parameter stopped working due to a log file existing in the Windows directory and no Transfer Directory defined.

Now, if the Transfer directory is not set a message will appear and the import/export process will halt.

2.2.22 Set Address Type On Untagged Records

#36772

Selecting the option 'Set Address Type' in the Address window when no address was tagged gave a message that no address was tagged, instead of just performing the action on the currently selected address record.

This has now been corrected.

2.2.23 Null Values When Sorting Time/Date Columns

#32278

When sorting any date/time columns in the system, regardless of sort order, the records that had no value registered in that column were listed first.

This has now been changed. When sorted in descending order the records with NULL values in that column are moved to the bottom and when sorting in ascending order the records with NULL values in that column will remain at the top.

2.2.24 Typing Installation Numbers In Switch Departments Window

#30380

When a user typed an installation number into the field in the Switch Department window, the system selects the closest code to the numbers the user entered - meaning that the user could accidentally update data in the wrong installation.

Now, if no installation number is an exact match the system beeps. If the user then presses OK a warning that the selected installation code does not match the typed number.

2.2.25 Dashboard Not Following Automatic Refresh Settings

#45612

The dashboard did not follow the parameter setting and timed intervals when set for automatic refresh, when 'Use Separate Retrieval Thread' was set to FALSE.

This has now been corrected.

2.2.26 Errors Translating Source Files With Text Locations

#41375

Translating text by location resulted in error messages when the user had manually created a dest.cry file.

When translating text with a path, do not create a dest.cry file. AMOS will generate the proper dest.cry file automatically.

2.2.27 PreDefined Filter Definitions Registered Null Values In Database

#39502

Replicating predefined filter values between version 10.0.22 in the office and version 9.2.xx on site resulted in issues related to null values in a column.

Now AMOS will no longer store [NULL], but instead will store [[NULL]]. AMOS will still read and accept [NULL] values for installations using Replication or Replicator.

2.2.28 Repeated Message When AMOS Loses Database Connection

#37158

In some situations, if AMOS lost the connection to the database the same error message popped up multiple times. The user could click on Close but the message kept appearing.

This has now been fixed. The message will appear only once and the user can terminate AMOS.

2.2.29 Tcu_Voucher Missing After Upgrade

#38413

The trigger tcu_Voucher was missing after the upgrade.

DB scripts have now been updated for the Voucher table.

3 Maintenance & Purchase

These release notes describe the enhancements and corrections made to AMOS Business Suite Maintenance and Purchase functionality from 10.0.40 to 10.1.00.

3.1 Enhancements

The following enhancements have been made in this release.

3.1.1 Discounts Based On Payment Terms

Since vendors usually offer extra discounts when certain payment terms are met, you can now define how these discounts are calculated in AMOS on the Payment Terms register. Then, select a payment term on a voucher in the Voucher window and AMOS will calculate the discount according to the formula here and the date you pay the invoice.

Multiple discounts can be defined on the same payment term, for example if a vendor offers more than one discount on a sliding scale depending on the date the voucher is paid by.

It is possible to define two types of discounts on payment terms:

- percentage discounts for paying within a set number of days, and
- 'EOM' discounts for paying within the first set number of days of the next month.

3.1.2 Merge Forms

To enhance handling of line items on forms, in addition to splitting individual lines as needed functionality has now been added to allow moving all the active line items from two or more forms onto another form, in one operation by 'merging' the forms together. This requires access rights to the new setting 'Functions > Purchase > 'Forms Merge'.

Two or more forms can be merged onto an existing form or onto a newly created form.

3.1.3 E-Business Additional Cost Mapping

New portal settings now allow for mapping additional costs defined in AMOS to 'Monetary Amount Qualifiers' - the identifying codes for costs that can come in through a ShipServ portal. Costs will then automatically be included on forms exchanged via the ShipServ portal. Two additional costs can be mapped: 'Freight' and 'Other'.

3.1.4 Comment On Inventory Consumption

A new parameter 'Consumption Comment' has been added to activate a Comment field on the In/Out of Stock window, for users to enter free-text remarks about transactions registered there.

Depending on the parameter setting, the field can appear at the bottom of every entry added to the In/Out of Stock window, or, when the user is finished adding entries and clicks OK, a Change Reason dialog will appear for adding one comment there to apply for all new entries.

See "System Parameters" on page 45 for more about the new parameter and its settings.

3.1.5 Defining Weight On Components And Parts

To allow for splitting transport and delivery costs based on the weight of each item on an incoming order, define the weight on individual parts and components throughout the system. Then AMOS can automatically calculate and re-calculate the weight on transport, transfer and delivery documents, as items are added and removed or weight values are updated elsewhere.

This requires setting two new parameters:

Default Settings > 'Weight Identifier'. Once set, new component/types and stock/types will appear with the new weight identifier automatically and you can add the value. On existing records the weight fields will be blank. **IMPORTANT: To avoid issues with your system, it is necessary to set a value on this parameter after upgrade.**

Purchase > 'Auto-calculate Weight on Transfer; Deliveries and Transport docs'. As line items are added to order forms AMOS will handle the weight value according to the setting on the second parameter: it will automatically re/calculate weight, or ask to recalculate, or do nothing at all.

See "System Parameters" on page 45 for more about these new parameters and their settings.

3.1.6 Quotation Vendor Unit And Quantity Conversion

#34628, 46607

Functionality has been added in this release to store vendor-specific unit conversion formulae directly on the Stock Type/Item > Vendor window. These formulae can be added to the vendor's record in advance of any ordering, or added on quotation lines. AMOS will apply pre-defined formulae to quotation line items when needed.

If a user changes a unit or defines a unit conversion directly on a quotation line item, as long as 'Update Stock Items' is flagged on the Quotation window General tab AMOS will save the vendor's unit and formula to the Vendor window.

3.1.7 Vendor Reference Added To Purchase Order Receive Window

#10155

On the Order Form Receive window, add the Vendor Reference and Vendor Description fields have been added (read only) to the details section on the Order Form Receive window.

The fields will be hidden for work order line items, or if the form has no vendor.

3.1.8 Print Voucher Functionality Added

#27469

Standard Print functionality has been added to the Voucher window, and users can now print voucher details as well as lists, preview, tag multiple vouchers for one print operation, and customise the resulting printout if needed, via the regular Print dialog as available in the system.

3.1.9 Report Project Work Orders From Work Order Window

It is now possible to report on project work orders directly from the Maintenance Work Order window, even if the work order is read-only.

3.1.10 Quotation Compare - Show Best Price Information

Flagging the new option 'Last and Best Purchase Prices' in the Price Information section on the Quotation Compare Scenario > Configuration tab, adds two new columns BPP and LPP to the resulting matrix. These columns show the Best Purchase Price and Last Purchase Price per item, drawn from purchase history records.

3.1.11 Purchase Contracts - Multiple Per Vendor

#19831, 21337, 38934, 5985

You can now have more than one contract per vendor, as long as at least one of the following is true:

- they are for different validity periods: that is, the From/To dates do not overlap.
- they contain different parts.
- they are for different sites/vessels.

3.1.12 View Component Details On Stock Wanted

#8471

Remote window functionality has been enabled on all the code fields in the details section of the Stock Wanted list.

3.1.13 Quantity Field Added To Stock Items Window

#15036

A field for Quantity has been added to the Stock Items window Stock Transactions tab.

3.1.14 Requisition Work Job Description Shown On Work Order

#9306, 40410, 8716

Fields for the Job Description Code and Title have now been added on the Work Order window and filter for Periodic Work Orders.

3.1.15 Report Work With Employee Filter Added

#2936, 14355, 30913, 24015

When reporting work by Employee, a filter has been added to make selecting one or more employees easier. Only active employees are available by default from the filter.

3.1.16 Job Description Revisioning - Filter By Status

#12290, #12671, #22216, #42393

When the parameter 'Job Description Revision Control' is set to TRUE, it will be possible to filter the Job Descriptions for drafts awaiting approval, by flagging the new filter checkbox 'Drafts Only'.

3.1.17 History Details Report Changes

#4077

The report 'History - History Details' now shows the counter reading at the time of reporting it, labelled 'Counter When Reported'. The existing 'Counter' label on the report has been changed to 'Current Counter'.

3.1.18 History Shown On Next Work Order

#25274, 23999, 3065, 25216, 24450

When reporting work with some history details and flagging the option to show that history on the next generated work order, the history is transferred and can be seen in the work order printout.

It is now shown on screen on the work report and the next work order as well.

3.1.19 Prevent Marking Round Work Order As Completed

#28158

A new checkbox has been added to the Rounds window reporting options: 'Block if un-completed jobs'. Flagging it means that later on when a user is reporting this round, he/she will not be able to mark the work order as complete until all jobs on it are completed.

When this setting is flagged and completion is prevented, granting users access to the new setting 'Round; Allow reporting as completed without all Jobs being' allows them to override the checkbox setting and complete the work order anyway.

3.1.20 Include Line Item Attachments For E-Business And Email

#28161

Line item attachments can now be included with forms sent to email and to ShipServ portals (if UseFormImages is flagged for quotation export).

3.1.21 Reference Field On Stock Transaction Resized

#40203

The 'Reference No' field on the Stock Transaction window accepted 20 characters. It now accepts up to 100 characters. The same applies to the same field on the Stock Transaction filter and the In/Out of Stock window.

3.1.22 Access Control Added For Copy Function

#40133

An Access Control setting has been added to the Functions tab to control access to the Functions > Options > Copy Functions window.

3.1.23 Add Location To Selected Stock Items

#31652

It is now possible to set a location for multiple stock items in one action, by tagging more than one record in the Stock Items window and selecting the new option 'Add Location' from the

Options menu. A dialog will open where the user can choose a location and it will then be added to all tagged stock items, with the quantity there set to 0.

3.1.24 Component Parts Limited To Those Registered As Stock Items

#24816

All stock types listed on the Component Type window > Parts tab appeared on any component registered from the type regardless of whether the parts existed as stock items in the department the component was registered in.

Now, AMOS shows an indicator (the stock item icon) next to stock types registered as stock items in the current department, in the Parts tabs on the Component/Hierarchy and Function Hierarchy windows. For stock types which are not registered as items, AMOS shows a stock type icon indicator.

3.1.25 Purchase Order Form List Reports Expanded

#30481

The 'Total' column on the following two reports shows the form's actual total: 'Purchase Order Form List Ind. Currency'; 'Purchase Order Form List Base Currency'.

Now, when no total value is available the column will show the form's 'Estimate' value instead. When the value shown is an estimate, it will be marked with **.

To continue showing a 0 if no total value is available, unflag the new filter checkbox 'Include Estimate when Actual not Registered'.

3.1.26 Discipline Added To Maintenance Log Filter

#43603

Two fields have been added to the Maintenance Log filter.

- Discipline - filters out maintenance logs by the discipline registered on the Resource Used tab.
- Responsible Discipline - filters out maintenance logs by the responsible discipline on the work order.

3.1.27 History Preview In Maintenance Log

#2697

History text for every entry in the Maintenance Log window is now shown in a separate tab, History Details. Additionally, a new column in the list part of the window, History Details, shows a Yes or No if text exists or not.

3.1.28 Previous Installation Field Added To Component Status Log

#5814

The Component Status Log window contains a field 'Previous Department'. A new field 'Previous Installation' has been added as well.

3.1.29 Indication Of Attachments And Work Permits Job Descriptions

#8286

To indicate the presence (or not) of attachments and work permits on job descriptions, two new columns have been added to the Job Descriptions register: 'Attachments' and 'Permits'.

3.1.30 Filtering Job Descriptions And Work Orders By Work Permits

#27394, 17917, 39788

The option to filter for records with work permits assigned has been added to the Job Descriptions and Maintenance Work Order filters. Furthermore, work orders can be filtered according to the status of the attached permit.

3.1.31 Function Details Added To Report Work Measure Points Tab

#37077

Two new columns 'For Function' (Code and Description) have been added to the Report Work window > Measure Points tab.

3.1.32 Component Job Specific Details Available On Work Order Included Jobs

#31288

A button has been added to the Work Orders window Included Jobs tab, called 'Job Specific Details' and it accesses the details registered in the Component Jobs window Job Specific Details tab.

3.1.33 Filtering Purchase Forms By Voucher

#36828

The Purchase Form filter has been expanded to allow filtering for forms with vouchers registered against them. Users can filter for: Voucher Number (From/To), Voucher Reference and Voucher Category.

3.1.34 Search In Sub-Component Added To Filters

#42856

The option to include sub-components in a filter search has been added to the filters for Maintenance Work Orders, Work Planning, Logs and History.

3.1.35 Show All Button Added

A 'Show All' button has been added to the Required Parts sub/tab in the following windows:

- Component Type Jobs
- Component Hierarchy > Jobs tab
- Function Hierarchy > Jobs tab

The default view shows only the parts related to the specific job; clicking the new button shows all the component type parts for the selected record.

3.1.36 Function Details Enhancements

#42222

Display of function details on the Components window and Function window has been enhanced.

A read-only field on the Function window General tab, 'Details' indicates (Yes/No) if data is present on the Details tab. The field is available from the field chooser.

A read-only field on the Components window General tab, 'Func. Details' indicates (Yes/No) if data is present on the Functions window Details tab for the relevant function.

3.1.37 Enhancement To Filtering By Budget On Order Forms

#37039

Filtering by budget codes on the Purchase Forms filter has been improved.

Now, to search for only forms related to a specific budget code in any year users should type the budget code directly into the Code field in the Budget section, without using the lookup or entering a year.

To narrow these results down to a certain year, type in the Code and then enter a Financial Year. To search for forms related to a particular budget, type in the Code and then click the lookup and select a budget code and year from the list.

3.1.38 Multi-Select Work Orders When Adding To Project

#28104

When adding a job to a maintenance project and selecting 'Existing Work Order', it is now possible to multi-select work orders in the lookup list.

3.1.39 Rescheduling Component Jobs And Work Orders On Component Types Changes

#26728, 28691

Existing WO were not rescheduled in case when a change frequency on Component Type Job occurred.

This has now been corrected.

3.1.40 Trigger Jobs- Preview Result

#42119

A 'Links' button has been added in the Trigger Jobs dialog window which allow to view which Component Jobs, Procedure Jobs and Rounds a trigger is used in.

3.1.41 'Auto-Update Multi-Vendor Details From Line Items' Parameter Expanded

#42973

The existing parameter 'Auto- Update Multi- Vendor Details from Line Items' has been expanded with a new option. This new setting allows the user to update multi-vendor records only when a purchase order is issued.

If the parameter is set to the default value, the multi-vendor table will be updated every time a change is made to either the quotation/order from line items price details.

3.1.42 Filter On Ordered Date In Order Forms

#1899

New tab page 'Form Dates' has been added on the Forms Filter, from where user can search for 'Within Days', ' From Date' and 'To Date' for these dates:

- Created, Approved, Ordered, Confirmed, Received
- Latest Delivery, Latest Delivery for Vendor, Vendor's Delivery
- UserDefDate1, UserDefDate2, UserDefDate3

3.2 Corrections

The following corrections have been made in this release.

3.2.1 Sorting By Date Read In Counter Log

#18218

It was not possible to sort by some columns in the Counter Log, such as 'Date Read'.

This has now been corrected. All columns in the Counter Log are sortable.

3.2.2 Stock Value Report Number Column Expanded

#26767

The 'Number' column on the Stock Items - Value report was too short.

This has now been expanded.

3.2.3 Component Details Showed More Than One Component

#29095

Resizing the Components window to make it larger allowed details of more than one component to appear in the top part of the screen.

This has now been corrected.

3.2.4 Inactive Departments Available For Registering Components And Stock

#28882

Inactive departments were still available for selection when registering a Component Type or Stock Type as a Component or Stock Item.

This has now been corrected.

3.2.5 Incorrect Workload Forecast Results

#18044

The Workload Forecast was including work orders as well as jobs and so duplicating the same work in the forecast results.

This has now been corrected.

3.2.6 Round Work Order Printout With Classic Editor

#27052, 27053

When the classic text editor was in use, job descriptions printed twice on round work orders, and, a '1' was printed instead of the job details.

This has now been corrected.

3.2.7 Misspelled Word In Vouchers Window

#18304

In the Vouchers window Forms tab 'From No' has been corrected to 'Form No'.

3.2.8 Re-Filtering Components In Global Search Mode Disabled

#37040

Once the Components window had been opened in Global Search mode, the option to filter in the window was disabled and so it was not possible to refilter results.

This option is now enabled.

3.2.9 Selections Lost When Adding Stock Items/Types To Components/Types

#28619

After selecting and adding multiple stock items/types to a component/type, the focus in the Stock Items/Types window moved back to the first row and all tagged records were deselected.

This has now been corrected. Focus remains on the last selected row and all tagged records remain tagged.

3.2.10 Stock Wanted Quantities Lost After Refresh

#21655

Refreshing the Stock Wanted window with any updated but unsaved quantities listed resulted in the changes being lost.

This has now been corrected.

3.2.11 Truncated Labels In Form List Print Out

#24034, 24036, 24033

Form Titles, Numbers and Installations/Departments names were truncated on list printouts from the Forms window.

This has now been corrected.

3.2.12 Make Stock Class Mandatory On Stock Items

#27037

When the 'Stock Class' field was defined as mandatory, if Stock Types were not in use it was possible to create and save a Stock Item without registering a Stock Class. The same problem occurred with the 'Class' field on the Components window if Component Types were not in use.

This has now been changed. If Stock/Component Class is mandatory and types are not in use, providing a class will be mandatory on items/components.

3.2.13 Inconsistent Error Messages When Changing Work Order Status

#10452, #22673

Trying to select 'issued' from the Status drop-down on a 'requested' work order correctly resulted in a message saying that the action was not possible. However, if the user tried to change the status from requested to issued via the Options menu, nothing happened and no message appeared.

This has been corrected. The message will appear in both cases.

3.2.14 Spelling Correction In Function Hierarchy

#23074

'Mandatory' was spelled incorrectly in the Function Hierarchy window.

This has now been corrected.

3.2.15 'Budget For Year' Not Greyed Out

#37547

At Budget Group level in the Budget Hierarchy, the 'Budget for Year' field was not greyed out and appeared to be editable, even though it is not.

This has now been corrected. The field is greyed out at Budget Group level.

3.2.16 Filter Option On Report Not Working

#37170

The 'Location' and 'Include Sub-Locations' fields on the Stock Items - Inventory Control report did not work correctly. The system returned all parts in the report regardless of the selected locations.

This has now been corrected.

3.2.17 Changing Parent Counter Type Did Not Update Dependent Counters

#24274

The system warned the user that a dependent counter type would change when the type was changed on the 'parent' counter it depended on. If the user opted to continue and change the parent counter type, an error message appeared.

This has now been fixed. It is no longer possible to change a counter type if other counters depend on it.

3.2.18 Could Not Generate Specification With Empty Project Sections

AMOS would terminate when a user attempted to generate a specification, if one of the project sections did not contain any jobs.

This has now been corrected.

3.2.19 AMOS Unresponsive After Changes To Split Line Item

#26995

When a line item was split from another form and its part number then changed on the new form, during receive of this new form the system became unresponsive.

This has now been corrected. Changing the part number, work order number or content type on a line item which has been split from another form, is not allowed.

3.2.20 Toggle Numbers Gave Error Message

#38871

On systems running on MS SQL, after upgrading to version 10.0.30 selecting the 'Toggle Numbers' option in the Component Hierarchy resulted in a message that columns in the 'order by' list must be unique.

This has now been corrected.

3.2.21 Stock Type Filter Retained Results After Re-Filter

#19129

Remote-opening the Stock Type window from a stock item, clicking the filter button, clearing the filter and clicking OK showed the same results in the window as previously.

This has now been corrected.

3.2.22 Order Form Estimated Cost Not To Consider Quotation UDFs

#37796

The UDF (User Defined Field) price fields on quotations could be added to order form estimates by flagging the 'Update Form Estimate' checkbox on the Select Quotation dialog.

However, any values in the UDFs were later ignored when recalculating totals or handling invoices.

Since UDFs can be used for any purpose and not just quotation-related costs, values in these fields are no longer part of the Form Estimate calculation.

To register additional values on a quotation to later use on the order forms and vouchers after quotation selection, SpecTec recommends that you use the Additional Cost fields.

3.2.23 Work Planning Order Required Parts

#23319

The option to order required parts from the Work Planning window was not available if the system license did not include Maintenance Tasks.

This has now been corrected. The option is available whether maintenance tasks are in use or not.

3.2.24 Gantt Chart Issue If Both ABS And EMS Installed

#25506

When both AMOS Business Suite and AMOS Enterprise Management Suite were installed on the same work station there was an issue with scaling the Gantt chart in the ABS Job Planning window.

This has now been corrected.

3.2.25 Error Copying Form With Large Amount Of Details

#45394

When running on Oracle, trying to copy a purchase form with a large amount of information in the Details tab to another department resulted in an error message.

This has now been corrected.

3.2.26 Possible To Add Attachments Before Adding Line Items

#41682

It was possible to add and save attachments to forms on the Line Items window before any line items were actually listed.

This has now been corrected and attachments can only be added once a line item is defined.

3.2.27 Adding Hyperlinks To Job Descriptions

#21702

With rich text format in use on Job Descriptions, adding a hyperlink with http: worked correctly but adding one with https: did not.

This has now been corrected. These protocols are now supported: http://, file://, https://, and ftp://.

3.2.28 Filtering By Frequency Did Not Include Round Work Orders

#44869

Filtering maintenance work orders by a periodic frequency did not return round work orders with the indicated frequency.

This has now been corrected and round work orders will be considered in the filter search.

3.2.29 Check Box Not Visible In Requisition Work

#42534

When the appearance of tabs was set in the Options window to Multiple Lines, the checkbox 'List New Work Orders' was not visible in the Requisition Work window unless the user pressed CTRL and scrolled down to resize the window.

This has now been corrected and the checkbox is always visible.

3.2.30 Full Reporting Method Rounded Total Duration Up

#43111

When the reporting method on a round was set to 'full', the value in hours for all jobs in the Total Duration field was always rounded up.

This has now been corrected.

3.2.31 Filtering Forms By Approval Limits Did Not Consider Currency Exchange

#43752

When filtering purchase forms by approval limits, the filter did not consider currency exchange rates properly and so forms which should have been returned by the search were not.

This has now been corrected and forms within the user's approval limit will be shown regardless of the currency they specify.

3.2.32 Lock On Voucher Prevented Opening Purchase Order

#42861

When a voucher was in status 'locked' double-clicking on the voucher's Form Number did not open the linked purchase form.

This has now been corrected.

3.2.33 Early Financial Start Issue

#23097

When the parameter 'Financial Year Early Start' was set to TRUE, upon opening the Financial > Budget window the correct financial year was shown but a budget generated from the window would default to the previous year instead.

This has now been corrected.

3.2.34 Incorrect Scrolling Behaviour In Stock Items Window

#24312

It was possible to scroll with the mouse wheel while in the top (details) part of the Stock Items window and most, but not all, of the fields were updated.

This has now been corrected. Scrolling in the top part of the window is prevented.

3.2.35 Slow Performance Opening Report Work Window

#45314

Performance was slow opening the Report Work window if a medium-complex job dependency chain was set.

This has now been corrected.

3.2.36 Sorting By In Stock Column

#44462

It was not possible to sort the 'In Stock' column in the Components/Types windows and Function/Component Hierarchy windows.

This has now been corrected.

3.2.37 Predefined Fields Error In Component Jobs Window

#42386

If the field 'Maint. Budget Code' was displayed on the Component Jobs window and included in a predefined fields configuration created for that window, an error message would appear every time the window was opened.

This has now been corrected.

3.2.38 Word Missing In A Report Work Window Message Box

#42359

The message about changing the reporting method, which sometimes appeared in the Report Work window, was missing the word 'want'.

This has now been corrected.

3.2.39 System Slow To Sort In Maintenance Log

#42048

Sorting the Maintenance Log by the 'Reported By' column took a long time, depending on how many records were in the system.

Now, if the user chooses to sort by this column or by several others, and there is a large number of records (250 000+), the system will warn the user that it will take time and ask for confirmation.

3.2.40 Error Deleting Jobs On MSSQL

#39947

Deleting component/type jobs in a system running on MSSQL resulted in an error.

This has now been corrected.

3.2.41 Maintenance Log Window Scrolling

#18192

Clicking in the top section of the Maintenance Log window and then using the mousewheel to scroll caused the fields in the top to change but the focus remained on the same record in the list part of the window.

This has been corrected. The top part of the window does not scroll, the list part does. Focus changes when the user clicks on a row.

3.2.42 Updating Values On Incomplete Work Orders

#24020

When reporting on a work order for a counter based job with a fixed frequency, and removing the flag on 'Report Work Order as Completed', the system would update the LastDoneCount and NextDueCount.

This has now been changed. The Last Done and Next Due values are not updated on component jobs during work reporting unless the work order is marked as complete.

3.2.43 Change To Required Discipline On Component Type Job Not Reflected On Component Job

#24236

Changing the required discipline on a component type job and selecting to apply it to components of the type added the new discipline on component jobs but did not remove the old one.

This has now been corrected.

3.2.44 SpareTypeFinancial Column Did Not Allow Nulls

#25859, 24806

The column SpareTypeFinancial did not allow nulls and this caused some replication errors.

This has now been corrected.

3.2.45 Job Order Changed When Switching Between Rounds

#41063

Moving from one round to another and back again in the Rounds window changed the order jobs were listed in.

This has now been corrected.

3.2.46 Typo In Function Hierarchy

#44212

There was a typo in the Function Hierarchy window 'Mandatory History' checkbox.

This has now been corrected.

3.2.47 Order Lines Added From Stock Wanted Get Deleted

#39204

Line items added to order forms from the Stock Wanted window were deleted and not included in exports.

This has now been corrected.

3.2.48 Filtering By Approval Limits Did Not Consider Additional Costs

#40119

Filtering forms by approval limits returned forms which were actually outside the user's approval limits, because additional costs were not considered as well as the form total.

This has now been corrected.

3.2.49 Last Page Button On Print Preview Not Moving To Correct Page

#39313

When previewing a form printout with multiple pages, clicking the Last Page button moved the print preview ahead by two pages but not to the actual last page.

This has now been corrected.

3.2.50 Multiple Tagged Line Items Not Set To Cancelled

#37213

Tagging more than one line item and clicking the Delete button only cancelled the line item currently in focus.

This has now been changed. AMOS will ask the user if they want to cancel all tagged rows or just the selected row.

3.2.51 Progress Dialog Exceeded 100%

#32685

When saving a project specification the system shows a progress dialog, which showed progress exceeding 100%.

This has now been corrected.

3.2.52 E-mail Attachments Unflagged When Converting Forms

#28095

When the parameter 'Create new Form on Form Conversion' was set to TRUE and the 'Mail Attachment' checkbox was flagged on a form, upon converting that form the checkbox flag was removed on the resulting new form.

This has now been corrected and the flag stays.

3.2.53 Deliveries Not Completely Populated By Parameter Setting

#39851

When the 'Auto- File Delivery Details' parameter was set to TRUE, the Destination Address/Location was not copied from an order form to its deliveries.

This has now been corrected.

3.2.54 Unused Space Left On Stock Items Window

#20062, 15787

When all modules were included and all UDF fields were in use, there was some empty space left between the list view and fields on the Stock Items window.

This space has now been utilized to expand the list view as much as possible.

3.2.55 Standard Printout Included Component Type Template

#36936

The component type template was included in standard work order printouts.

This has now been removed from the printout.

3.2.56 Stock Wanted View Does Not Work

#27958

A view created for the Stock Wanted window when 'Only display Wanted QTYs > 0' was flagged in the filter first, could not then be reopened.

This has now been corrected.

3.2.57 Final Voucher Flag Not Saved

#36707

Flagging a voucher as final was not saved the first time.

This has now been corrected.

3.2.58 Order Priority Sorted By PK Instead Of Description

#40428

Priority values entered in the Order Priority register showed up in the Forms window Priority drop-down list in the order they were registered rather than ordered by description.

This has now been corrected.

3.2.59 Sort Order Reversed For Historical Data

#15783

Historical/Log records were sorted with the oldest appearing first.

This has now been reversed and the most recent records will appear at the top.

3.2.60 Stock Items Created With Incorrect Status

#39119

When registering a component type as a component, if 'Auto-Register Stock Items' was flagged, active stock items were automatically created for all stock types added as parts to component types, including any inactive ones.

This has now been changed. Only active stock types will be auto-registered and the checkbox label has been changed to 'Auto-register Active Stock Items'.

3.2.61 User Name Handling In Filters

#39536

Typing into a filter field referencing the AMOS User table was inconsistent - sometimes the system would look for matches by user names, other times by user ID.

This has now been changed and the system always looks for matches by user name.

3.2.62 Presave Hook Caused Problem With Report Work

#39002

In some cases the presave hook could cause an error during work reporting.

This has now been corrected.

3.2.63 Required Parts On Functions Hierarchy Did Not Accept Decimals On Quantity

#39292

Registering a stock item with a unit that allow decimals as a required part in the Function Hierarchy (with a decimal place in the Quantity value) resulted in the message that the quantity was not acceptable or the value could not contain a decimal.

This has now been corrected.

3.2.64 Mandatory Transaction Codes System Crash On Report Work

#39015

Selecting Options > Transaction Codes during work reporting caused the system to terminate if mandatory transactions codes existed.

This has now been corrected.

3.2.65 Job Class Description Character Limit

#38812

The Job Class description field accepts only 20 characters, but the table column allows for 60.

Now it is possible to enter 60 characters in the base register, but where the Job Class is displayed only 20 characters show, with a tooltip showing the full 60 characters available.

3.2.66 Component Read-Only Access Prevented Creating Requisition Work

#38771

When a user had read-only access to Components and opened the Requistion Work dialog from the Components window the fields in that dialog were rendered read-only.

This has now been corrected. The fields in the Requisition Work dialog will be editable as when it is opened from anywhere else in the system.

3.2.67 Show Projects Jobs To Show Project Jobs Only

#38759

On the Work Orders filter flagging the option 'Show Project Jobs' included work orders related to project jobs along with any other work orders related to filter criteria.

This has now been changed. The filter checkbox now works in three states and can return work orders for project jobs and any other work orders, or work orders for project jobs only.

3.2.68 Measure Points On Report Work Window Not Sortable

#37530

Measure Points are sortable in the Measure Point column in all areas of the system except on the Report Work window.

It is now possible to sort the Measure Points column in the Report Work > Measure Points tab as well.

3.2.69 Predefined Fields On Line Items

#44261

Moving a column in the Line Items window and saving a predefined field configuration afterwards resulted in an error message upon reopening the window next time, and the column did not appear in the new position according to the saved configuration.

This has now been corrected.

3.2.70 In/Out Of Stock Prevented By Missing Expiry Date

#22954

Creating a perishable stock item in the Stock Item window without setting an expiry date and setting an amount at a location, prevented the user from moving more of the item using the In/Out of Stock window, because the expiration date was missing and could not be added later.

This has now been corrected. AMOS will require users to add expiry dates when adding a new item in the Stock Item window.

3.2.71 Received Date Validation

#29918

When the parameter 'Validate Order Form Dates' was set to TRUE, if a user registered in the Receive dialog a received date on an order that predated the order's confirmation date, he was still allowed to save the Receive window and no date validation was performed.

This has now been corrected. The received date validation is performed right away and saving would be prevented on orders which failed.

3.2.72 Stock Wanted Updated Even If Receive Not Saved

#45858

If a user received a tagged order form and returned to the Forms window, closed the window and clicked 'No' when asked to save the changes, AMOS still updated the stock quantities for items on the order and created stock transactions.

This has now been changed. When the user presses OK in the Receive dialog the system automatically saves and the receive action cannot be reverted. Closing the Forms window will not prompt for saving again.

3.2.73 Vouchers Lines Not Removed When Changing Linked Form

#44854

Changing the purchase order linked to a voucher added the new purchase order's line items to the voucher, but did not also remove the lines belonging to the previous order form.

This has now been changed. If the user changes the form linked to a voucher, AMOS will ask if he wishes to delete the related voucher lines and replace them with the new form's lines.

3.2.74 QuotationPortal.Notes- LF Linebreaks From ShipServ Exported Without Proper Prefix

#46192

If QuotationPortal.Notes is populated through ShipServ (i.e. a note from the vendor) with an xml file including LF linebreaks, when the notes are native exported, they do not have proper line prefixes and this causes the failure of the native import on the remote site. This does not cause problems on Windows systems, but it can happen that the file generated by ShipServ comes from a Linux user.

This has now been corrected. When notes are native exported, they have now a proper line prefix and the following native import is correctly performed by the system.

3.2.75 No Database Constraint For Template On Rounds

#37038

History templates added to Rounds and then deleted from the template register remained in the History Template drop-down list on the Rounds window General tab.

This has now been corrected.

3.2.76 Focus Lost In Project After Refresh

#43762

Selecting a project other than the first one in the Projects window and then opening a tab and refreshing the window caused focus to jump to the first project in the hierarchy.

This has now been fixed. Focus will stay on the selected project. If that project no longer exists after refreshing the window then focus will return to the first project.

3.2.77 Setting Component Manually Allowed Despite Restriction

#37919

When the parameter 'Component Search Range in Order Lines' was set to RESTRICT, clicking the lookup button on the Line Item window to set the 'For Component' field correctly returned only components the stock item is linked to.

However, it was possible to manually type in and save any component at all, including ones the stock item is not linked to.

This has now been corrected and only linked components can be added manually, when selection is restricted by the parameter.

3.2.78 AMOS Prompts For Reschedule Reason When No Due Date Existed

#35591

When the 'Log Job Rescheduling' parameter was set to TRUE, and a user created a new requisition work order and added a date, the system would prompt for a rescheduling reason.

This has now been corrected. The 'Log Job Rescheduling' parameter options have been expanded and it can now be set to: Never, Always, or Ignore Logging When Due Date Was Empty.

3.2.79 Line Item Lookups And Purchase Contracts

#31567

On the Line Item window we had two lookup buttons:

(Part, Lookup) | Parts not restricted by any contract

(Contracted Part, Lookup) | Any parts, related and not related to contracts

Both buttons were visible by default, then these rules were applied:

- If no Purchase Contract was present and user had access to 'Form: Allow Spot Buy Off Contracts', the (Contracted Part, Lookup) button was visible
- If no Purchase Contract was present and user did not have access to 'Form: Allow Spot Buy Off Contracts', the (Contracted Part, Lookup) button was invisible
- If a Purchase Contract was present allowing non Contracted item, the (Part, Lookup) button was visible

If a Purchase Contract was present not allowing non Contracted item, the (Part, Lookup) button was invisible

The above lookup buttons have been replaced by a single one (Part, Lookup), acting as follows:

- If no (active) Purchase Contracts are present, all items are retrieved
- If active Purchase Contracts are present, but none is assigned to the form, all items are retrieved
- If active Purchase Contracts are present and one is applied to the form:

  - if the Purchase Contract allows non contractual items, all items are retrieved

  - if the Purchase Contract does not allow non contractual items, only items on the Purchase Contract itself are retrieved

3.2.80 Next Due Not Updated When Frequency Changed On Component Type

#40721

When frequency changed on Component Type Job, changes were not applied to Component Job Next Due, even if the user accepted to reflect them on components of this type.

This has now been corrected.

3.2.81 Stock Type Allowed Saving Attachments Despite Mandatory Fields

#43739

Formerly, it was possible to create a Stock Type, add attachments to it and save without fill in mandatory fields as the Stock Type Number. As a result, the Stock Type was not saved in the system and ImageUsage was saved with RelatedID < 0.

ImageUsage with RelatedID < 0 populated the tab attachment of any new created Stock Type.

This has now been corrected and the user is not allowed to move to a different tab page before setting and saving the Stock Type Number.

3.2.82 Unable To Complete In/Out Of Stock With More Than One Expiry Date

#46663

When the parameter 'Allow Removal of more Items than in Stock' was set to FALSE and multiple batches of the same perishable item existed with different expiry dates, if a user tried to register two 'used' transactions at the same time, the system prevented taking the items out of stock by performing the check against the first expiry date only.

This has now been corrected.

3.2.83 Allowed To Report More Items Than Available

#46656

When the parameter 'Allow Removal of more Items than in Stock' was set to FALSE and multiple batches of the same perishable item existed with different expiry dates, users could add the stock item on the Report Work > Stock Used tab with a quantity that exceeded the amount for the specified expiry date.

This has now been corrected.

3.2.84 Obsolete Templates Visible On Work Orders

#43890

Work Order History Template drop-down listed Obsolete Templates and allowed the user to select them. Upon selection, the system returned a message informing the user that the (obsolete) template selected was not available.

This has now been corrected and the History Template lookup, moved from General tab page to the Additional Info tab page, does not retrieve Obsolete Templates anymore.

3.2.85 Work Order Window Did Not Open Remotely From The Risk Management Assessment Dashboard Notifications

#42814

Work Order window did not open double-clicking on it from the assessed tab page of RiskMgmtAssessment of the Dashboard Notifications.

This has now been corrected.

3.2.86 Order Form List Printout Showed Hardcoded Status Rather Than WorkFlow Status

#28361

When using WorkFlow on Purchase and user printed the Order Form List from that window, the List printout showed the standard hardcoded AMOS status rather than the WorkFlow status.

This has now been corrected.

3.2.87 Stock Items Print Preview Not Showed Unless (Last Page) Button Was Pressed

#47161

Print Preview on Stock Items did not show unless (Last Page) button was pressed.

This has now been corrected.

3.2.88 Function Hierarchy General Tab Content Cleared Upon Saving

#47193

When a user saved any change in General Tab page of Function Hierarchy window, the content of the page itself was cleared out and shown again only after refresh.

This has now been corrected.

4 Corrections And Enhancements In Other Releases

This section contains a list, by version number, of corrections and enhancements addressed in previous releases, which were also included in version 10.1.00. If you are looking for a particular case and you find its RT# listed here, see the referenced version's release notes for the details.

ABS Version	RT# - Title
9.3.14	#21899 - Location Field On Component Window Displayed Entire Path
9.3.17	#21899 - Location Field On Component Window Displayed Entire Path
9.3.26	#37035 - Global Search Filtering by Budget Code Did Not Return all Forms #37305 - Unable To Move "Contracted" Form To Query
9.3.27	#22478 - Separate Access Control to Split Line Items #38148 - Slow Performance Generating Project Compendium #38248 - Jobs Not Sorted in Compendiums #38251 - Project Jobs Sorted as Line Items #38289 - Copy Project Applied Wrong DeptID #38615 - Hooks Issue #38820 - Refreshing Project Increased Project Number #38963 - Wrong Line Item Updated With Purchase Contract Discount #39181 - Copying Project Job Work Order Copied Component ID Also #39762 - Issue Including PDFs in Compendiums
9.3.28	#10344, #27293, #37495, #38864, #39242, #39818 - Scrapped Components in Component Hierarchy #34412 - Summary Provided After Copying Projects #39191 - System Unresponsive When Printing Large Number of Work Orders #39492 - Issue Comparing More than 21 Quotations #39595, #39633 - System Closed On Restart After Department Change #39680 - In/Out of Stock Accepted Negative Values #39828 - Remaining Counter Stopped With Latest Start Value > 0 #39949 - Attachment Reference Attributes No Longer Passed Separately #40202 - Updating stock Transaction Triggered Check on Quantity #40351 - Printing Work Orders With Enhanced Text Stopped System
9.3.30	#40965 - Could Not Drag and Drop Files From a Network Location #41031 - Parameter Incorrectly Prevented Changing Stock Quantity #41267, 42462 - Issues Switching Between Functions #41697 - Pre-defined Fields Did Not Retain Column Reordering Sequence #41812 - Requisition and Query Forms with 'Filed' Status #42173 - Wrong DeptID on Additional Costs #42297 - Slow Saving Changes On Purchase Contract #42310 - Newly Created Reports Not Shown in Preview #42875 - Separate Access Rights Added To Component Jobs

ABS Version	RT# - Title
9.3.31	#42768 - Enhanced Editor Prevented Printing Component Job Notes #42962 - Slow Performance in Stock Forecast #43015 - 'Find' Did Not Work in Hierarchies Third Level or Lower #43269 - Work Order Dependencies Did Not Follow Component Job Dependencies #43362 - Component Number Duplicated During Copy Component
9.3.32	#43991 - Print Cancelled but Approval Details Remained on Purchase Order #44373 - Voucher Checkbox Referred to Wrong Form #44484 - Export of Buyer Contact Details on xml File
9.3.33	#43075, 45246 - Print Preview for Labels not Shown Until 'Last Page' Button Pressed #45365 - Buttons Added to Work Planning Filter
10.0.31	#36823 - Location Inventory Log Report Filter Fields Hidden #36858 - Selecting Locations Without Code on Work Reports #37015, 37019 - Opening Line Items Window Affected by System License #37034 - Scrapped Functions Not Hidden from Hierarchy #37035 - Global Search Filtering by Budget Code Did Not Return all Forms #37156 - Budget Groups Not Sorted by Code in Budget Hierarchy
10.0.32	#15562, 19962, 36755 - Issue Filing Purchase Orders #36659 - Error Deleting Views #36810 - Issue Displaying Component Hierarchy #37282 - Incorrect Use Of Currency Rates In Quotations #37465 - Work Order "Due Date" Updated After Work Started #37760 - Issue Receiving Tagged Purchase Orders Using Custom Work Flow #37879 - Some Indexes Not Re-created Upgrading To Vrs. 10.0.30
10.0.33	#22478 - Separate Access Control to Split Line Items #23234, 39127 - Mandatory History Not Enforced with Enhanced Template #35104 - Including RTF Portal Notes in Custom Printouts #37305 - Unable To Move "Contracted" Form To Query #37663 - Read Only Access Prevented Scrolling Parts Tab #37817 - Purchase Order Templates Excluded RTF From Printouts #38148 - Slow Performance Generating Project Compendium #38251 - Project Jobs Sorted as Line Items #38289 - Copy Project Applied Wrong DeptID #38615 - Hooks Issue #38963 - Wrong Line Item Updated With Purchase Contract Discount #39181 - Copying Project Job Work Order Copied Component ID Also #39191 - System Unresponsive When Printing Large Number of Work Orders #39202 - Read Only Access Restricted Ability to Change Component Status #39306 - All CompSpares Shown After Upgrade #39354 - Wrong Work Order Due Date Calculated

ABS Version	RT# - Title
10.0.34	#10344, #27293, #37495, #38864, #39242, #39818 - Scrapped Components in Component Hierarchy #34412 - Summary Provided After Copying Projects #39492 - Issue Comparing More than 21 Quotations #39680 - In/Out of Stock Accepted Negative Values #39762 - Issue Including PDFs in Compendiums #39949 - Attachment Reference Attributes No Longer Passed Separately #39957 - Windows Authentication Stored Password in Database #40202 - Updating stock Transaction Triggered Check on Quantity #40351 - Printing Work Orders With Enhanced Text Stopped System #40407 - Type Details Not Fully Visible on Read-Only Components #40449 - Rich Text on Service Lines Did Not Print #40497 - Parts Duplicated As Many Times As Component Type Exists #40559 - No Notification When Not Allowed To Remove More Items Than In Stock #40960, 42018 - Error Opening Component/Function Hierarchy Required Parts Sub-Tab #41121-Access to 'Allow Windows Login Verification' Overrode Parameter
10.0.35	#40707 - Native Import Failure Due to Repeated Record #40963 - Round Work Order Not Generated If Title Contained Quote (') #40965 - Could Not Drag and Drop Files From a Network Location #41031 - Parameter Incorrectly Prevented Changing Stock Quantity #41079 - User Defined Field Values Not Converted to Base Currency #41105 - Issue Printing Query Forms With Quotations #41123, 41127 - Option Added to 'Allow Windows Login Verification' Parameter #41267, 42462 - Issues Switching Between Functions #41460 - Column Sorting Not Saved in Views #41518 - History Details Report Incorrect Print Preview with Basic Template #41697 - Pre-defined Fields Did Not Retain Column Reordering Sequence #41812 - Requisition and Query Forms with 'Filed' Status #42173 - Wrong DeptID on Additional Costs #42297 - Slow Saving Changes On Purchase Contract #42310 - Newly Created Reports Not Shown in Preview #42558 - Prevented From Modifying Work Flow Configuration #42580 - 'Overall Risk Value' Incorrect if More Than One Assessment Performed
10.0.36	#42768 - Enhanced Editor Prevented Printing Component Job Notes #42875 - Separate Access Rights Added To Component Jobs #42962 - Slow Performance in Stock Forecast #43015 - 'Find' Did Not Work in Hierarchies Third Level or Lower #43362 - Component Number Duplicated During Copy Component
10.0.37	#43269 - Work Order Dependencies Did Not Follow Component Job Dependencies #43544 - Unable to View Attachments on Locked Vouchers #43991 - Print Cancelled but Approval Details Remained on Purchase Order

ABS Version	RT# - Title
10.0.38	#44141 - Slow Performance in Stock Types #44373 - Voucher Checkbox Referred to Wrong Form #44484 - Export of Buyer Contact Details on xml File #44652 - Calculated Quoted Price Did Not Include Additional Line Items #44932 - Vertical Scrollbar Not Working on Templates #45184 - Audit Trail on Images Table Caused Error
10.0.39	#38871, 45966 - 'Show Numbers' Gave Error Message #43075, 45246 - Print Preview for Labels not Shown Until 'Last Page' Button Pressed #45365 - Buttons Added to Work Planning Filter #45540 - Initial Lock Prevented Creating Forms #45632 - Rotation Log Inaccessible Without Installed Component #45764 - Read-Only Requisition Work Window #45787 - Stock Item Components Not Shown From Other Departments #45861 - Project 'Forms' Button Listed All Forms #45873 - System Terminated During Work Order Issue #45926 - Incorrect Character Limit On Attachment References Field

5 System Parameters

The following new system parameters have been added in this version.

Default Settings

Tools > Configuration > Parameters > Options > General > Default Settings

Default Settings - Weight Identifier

Defines the default unit used when new component/types and stock/types are created. The same unit will also apply by default on transfer documents, transport documents and deliveries.

IMPORTANT: To avoid issues with your system, it is necessary to set a value on this parameter after upgrade.

SeeSee "Defining Weight on Components and Parts" on page 18.

Purchase

Tools > Configuration > Parameters > Options > Purchase >

Auto-Calculate Weight on Transfer and Transport Docs

Set this parameter to ALWAYS if you want AMOS to automatically calculate the weight of items on records when a user opens the Transfer Document, Transport Document and Deliveries window. Set to ASK, the system will prompt the user before making the calculation. Set to NEVER, AMOS will not make an automatic calculation.

SeeSee "Defining Weight on Components and Parts" on page 18.

Stock

Tools > Configuration > Parameters > Options > Stock >

Consumption Comment

This parameter activates a 'Comment' field on the In/Out of Stock window where the user can enter free-text remarks about transactions registered there. Set to NONE, the functionality is not in use.

Set to EACH LINE, the field appears at the bottom of every entry added to the In/Out of Stock window. Set to COMMON, the field does not show up on the window itself, but when the user is finished adding entries and clicks OK, a Change Reason dialog appears and he can add one comment there to apply for all new entries.

All comments will appear with the in/out of stock registrations on the Stock Transactions window.

See "Comment on Inventory Consumption" on page 17.

The following system parameters have been removed in this version.

Editor

Tools > Configuration > Parameters> Options > General > Editor >

Converted Enhanced Text Type

6 Database

This section outlines the changes to database structure from AMOS Business Suite version 10.0.30 to version 10.1.00.

6.1 New Tables Including Fields

NOTE: New sharing settings have been added for all new tables, at Tools > Configuration > Parameters > Sharing > Tables > .

New Table	**New Fields**
PaymentTermDiscountFormula	PaymentTermDiscountFormulaID PaymentTermID DiscountPercentage DiscountFormula DeptID ExportMarker LastUpdated LastUpdatedUTC
PerformanceCategory	PerformanceCategoryID Description UseInEvaluation UseInMatrix LastUpdated DeptID ExportMarker LastUpdatedUTC
PerformanceEvalDef	PerformanceEvalDefID DefinitionNo Description PerformanceCategoryID EvaluationLayoutID PerformanceMatrixID EvaluationFrequency EvaluationFrequencyPeriod DefinitionStatu Notes LayoutID DeptID ExportMarker LastUpdated LastUpdatedUTC ExportMarkersBlob LastUpdatedBlobUTC

New Table	New Fields
PerformanceEvalDefAddr	PerformanceEvalDefAddrID PerformanceEvalDefID AddressID EvaluationAddressType DeptID ExportMarker LastUpdated LastUpdatedUTC
PerformanceEvalDefAddrType	PerformanceEvalDefAddrTypeID PerformanceEvalDefID AddressType DeptID ExportMarker LastUpdated LastUpdatedUTC

New Table	New Fields
PerformanceEvaluation	PerformanceEvaluationID PerformanceEvalDefID EvaluationNo Description PerformanceCategoryID EvaluationLayoutID PerformanceMatrixID PeOrigin CreatedDate CompletedDate EvaluationDate EvaluationBy EvaluationStatus WorkFlowStatusID PeriodStartDate PeriodEndDate ScoreValue UserDefText1 UserDefText2 UserDefDate1 UserDefDate2 Notse LayoutID DeptID ExportMarker LastUpdated LastUpdatedUTC ExportMarkerBlob LastUpdatedBlobUTC
PerformanceEvaluationAddr	PerformanceEvaluationAddrID PerformanceEvaluationID AddressID EvaluationAddressType DeptID ExportMarker LastUpdated LastUpdatedUTC

New Table	New Fields
PerformanceEvaluationForm	PerformanceEvaluationFormID PerformanceEvaluationID Notes LayoutID LastUpdatedBy DeptID ExportMarker LastUpdated LastUpdatedUTC ExportMarkerBlob LastUpdatedBlobUTC
PerformanceEvaluationLog	PerformanceEvaluationLogID PerformanceEvaluationID RegisteredBy RegisteredDate PerformedBy PerformedDate Description DeptID ExportMarker LastUpdated LastUpdatedUTC
PerformanceEvaluationNote	PerformanceEvaluationNoteID PerformanceEvaluationID PerformanceMatrixCategoryID Comment1 DeptID ExportMarker LastUpdated LastUpdatedUTC
PerformanceEvaluationValue	PerformanceEvaluationValueID PerformanceMatrixCellID PerformanceEvaluationID ScoreValue DeptID ExportMarker LastUpdated LastUpdatedUTC

New Table	New Fields
PerformanceMatrix	PerformanceMatrixID Code Description Nots LayoutID CreatedBy CreatedDate IssuedBy IssuedDate FiledBy FiledDate DeptID ExportMarker ExportMarkerBlob LastUpdated LastUpdatedUTC LastUpdatedBlobUTC
PerformanceMatrixCategory	PerformanceMatrixCategoryID PerformanceMatrixID PerformanceCategoryID HeaderText ParentID TooltipText TextColor BackgroundColor PresentationSequence DeptID ExportMarker LastUpdated LastUpdatedUTC
PerformanceMatrixCell	PerformanceMatrixCellID PerformanceMatrixCategoryID PerformanceMatrixOptionID FormatMask ScoreExpressionType ScoreExpression DeptID ExportMarker LastUpdated LastUpdatedUTC

New Table	New Fields
PerformanceMatrixCellColor	PerformanceMatrixCellColorID PerformanceMatrixCellID TextColor BackgroundColor ScoreFrom ScoreTo DeptID ExportMarker LastUpdated LastUpdatedUTC
PerformanceMatrixCellRange	PerformanceMatrixCellRangeID PerformanceMatrixCellID DisplayText ScoreFrom ScoreTo DeptID ExportMarker LastUpdated LastUpdatedUTC
PerformanceMatrixOption	PerformanceMatrixOptionID PerformanceMatrixID ParentID TooltipText HeaderText TextColor BackgroundColor PresentationSequence PresentationWidth PresentationVisible DeptID ExportMarker LastUpdated LastUpdatedUTC
PerformanceMatrixScore	PerformanceMatrixScoreID PerformanceMatrixID PerformanceMatrixCellID AutoUpdateQAGrade AllowOverrideEvaluationValue DeptID ExportMarker LastUpdated LastUpdatedUTC

New Table	New Fields
PerformanceMatrixScorQAGrd	PerformanceMatrixScorQAGrdID PerformanceMatrixScoreID ScoreValue GradeID ExportMarker DeptID LastUpdated LastUpdatedUTC
QuotationCompareContract	QuotationCompareContractID QuotationCompareScenarioID ContractID ContractDeliveryPLaceID DeptID ExportMarker LastUpdated LastUpdatedUTC

6.2 New Fields In Existing Tables

Existing Table	New Fields
AuditTrailColumn	LookupSQL
AuditTrailLog	DisplayNewValue DisplayOldValue
ClientUpgrade	CompleteSet
ComponentType	CompWeight WeightUnitID
DashboardAlert	AlertStatus
Employee	Active
LoginAudit	LoginVersion
PaymentTerm	TermStatus TermComment PaymentDueIn DiscountCalculationStart DiscountInclAdditionalCost DiscountInclVAT
QuotationCompareBestSelect	QuotationCompareContractID
QuotationCompareScenario	PriceInfoFields
Round	BlockOnNotCompletedJobs
SpareType	PartWeight WeightUnitID
SparePartLog	LogComment
TransferDocument	TotalWeight WeightUnitID AdditionalWeight
Transport	WeightUnitID AdditionalWeight AdditionalDeliveryWeight
TransportDocument	AdditionalWeight WeightUnitID
Voucher	UDFDate1 PaidDate PaidBy